

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY, Balcron Oil

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

NW NW Section 25, T8S, R17E

At proposed prod. zone 738.8' FNL, 648.2' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

From Myton, Utah, approximately 10 miles southwest

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6,800'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5059.59'

22. APPROX. DATE WORK WILL START*

Upon APD approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
		See attached		

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM/CASING DESIGN
"E" HAZMAT DECLARATION
"F" SURVEY PLAT
"G" RIG LAYOUT

"H" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" CUT & FILL DIAGRAM
"M" ARCHEOLOGY REPORT
"N" PROPOSED PRODUCTION FACILITY DIAGRAM

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT-0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Bobbie Schuman

Coordinator of Environmental
and Regulatory Affairs

DATE December 13, 1993

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

EXHIBIT "F"

WELL LOCATION, BALCRON FEDERAL #11-25,
LOCATED AS SHOWN IN THE NW 1/4 NW 1/4
OF SECTION 25, T8S, R17E, S.L.B. & M,
UINTAH COUNTY UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

FROM FIELD NOTES OF ACTUAL
ME OR OTHER LAND SURVEYOR
ARE TRUE AND CORRECT TO THE
EDGE AND BELIEF

NO. 3154

John H. Stapp

REGISTERED LAND SURVEYOR
REGISTRATION No. 107
STATE OF UTAH

OFFICE OF UTAH

LAND SURVEYOR

TRI STATE LAND SURVEYING & CONSULTING
38 EAST 100 NORTH, VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: GS ZD
DATE: 10-12-93	WEATHER: CLEAR & WARM
NOTES:	FILE # 11-25

X = SECTION CORNERS LOCATED
BASIS OF BEARINGS; G.L.O. PLAT 1911
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #11-25
NW NW Section 25-T8S-R17E
Uintah County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

Multi-Point Surface Use and Operations Plan

EQUITABLE RESOURCES ENERGY COMPANY
BALCRON OIL DIVISION
BALCRON MONUMENT FEDERAL #11-25
NW NW SECTION 25, T8S, R17E
KANE COUNTY, UTAH

1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)

- A. The proposed well site is staked and four reference stakes are present. 200' & 250' North and 250' & 300' West.
- B. The Monument Federal #11-25 is located 10 miles Southwest of Myton Utah in the NW1/4 NW1/4 Section 25, T8S, R17E, SLB&M, Duchesne County, Utah. To reach the 11-25, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 7.0 miles to a road intersection, turn left and continue 6.0 to proposed access road sign. Follow flags 300 feet to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "B"

Approximately 300 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and

will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

- J. The proposed access road has been centerline flagged.
- K. If a right-of-way is required please consider this APD the application for said right-of-way.

3. Location of Existing Wells Within a One-Mile Radius:

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:

A. Existing

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. ~~As per the showing the proposed production facility layout will be submitted to the Authorized Officer via "Sunday Notice" (Form 3160-5) for approval of subsequent installation operations.~~ See EXHIBIT "N"
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

5. Location and Type of Water Supply

- A. Water to be used for the drilling of these wells will be

hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the beginning of drilling operations.

B. No water well will be drilled on this location.

6. Source of Construction Materials

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

C. All surface disturbance area is on B.L.M. lands.

D. There are no trees on this location.

7. Methods of Handling Waste Materials:

A. Cuttings - the cuttings will be deposited in the reserve pit.

B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the South side of location. The flare pit will be located downwind of the prevailing wind direction on the Southeast near corner #4. Access will be from the East near corner #2.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
 - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
 - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources

Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

(c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at

the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

11. Surface Ownership:

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management
Vernal District Office
Vernal, Utah

12. Other Information:

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
 - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
 - 2. There are no occupied dwellings in the immediate area
 - 3. An archaeological report ~~will be forwarded upon completion~~ Attached: See EXHIBIT 'M'
 - 4. There are no reported restrictions or reservations noted on the oil and gas lease.
 - 5. A silt catchment dam will be constructed according to BLM specifications approximately 150 feet East of corner #3.

13. Lessee's or Operator's Representative:

Balcron Oil
a division of Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406)259-7860
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Home (303)824-3323

14. certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

December 13, 1993

Date

Bobbie Schuman

**Bobbie Schuman
Coordinator of Enviromental
and Regulatory Affairs
BALCRON OIL division of
Equitable Resources Energy
Company**

Balcron Oil Well Prognosis

Well Name	BALCRON MONUMENT FEDERAL #11-25			Exploratory		Control Well	FED #22-25
Location	NWNW SEC 25-T8S-R17E 740' FNL, 648' FWL			Development	X	Operator	GREENWOOD
County	UINTAH			Field		KB	5063
State	UTAH			Section	NWNW 25	Section	SEnw 25
Total Depth	6450			Township	8S	Township	8S
GL (Ung)	5059.59'	EST. KB	5068	Range	17E	Range	17E

[illegible]

Samples	DST,s
50' FROM 1800' TO 4400'	DST #1 NONE
10' FROM 4400' TO TD	DST #2
	DST #3
	DST #4

Wellsite Geologist

Name: _____

From: _____ to: _____

Address: _____

Phone # _____ wk.

_____ hm.

Fax # _____

Logs	Cores
DLL FROM SURF CSG TO TD	Core #1 NONE
LDT/CNL FROM 4100' TO TD	Core #2
	Core #3
	Core #4

Mud Logger/Hot Wire
 Company: _____
 Required: (Yes/No) YES
 Type: TWO MAN
 Logger: _____
 Phone # _____
 Fax # _____

Comments: _____

Report To:	1st Name: <u>DAVE BICKERSTAFF</u>	Phone #	<u>(406) 259-7860</u>	wk. <u>245-2261</u>	<u>hm.</u>
	2nd Name: <u>KEVEN REINSCHMIDT</u>	Phone #	<u>"</u>	wk. <u>248-7026</u>	<u>hm.</u>
Prepared By: KKR	<u>12/7/93</u>	Phone #		wk.	hm.

Equitable Resources Energy Company
Balcron Oil Division

DRILLING PROGRAM

WELL NAME: Monument Butte Area
LOCATION: Twn.9S Rge.16E & 17E
COUNTY: Duchesne

PROSPECT/FIELD: Monument Butte
STATE: Utah

TOTAL DEPTH: SEE APD COVER SHEET

HOLE SIZE INTERVAL

12 1/4" 0 to 260'
7 7/8" 260 to T.D.

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	T.D.	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

CEMENT PROGRAM

Surface 150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.
(Cement will be circulated to surface.)

Production 250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.

PRELIMINARY
DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

depending on the drilling contractor either:

- Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.
- Drilling will be done using 2% KCl water and gel.

COMMENTS

- No cores or DST's are planned.

DMM/8/27/93

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: MONUMENT BUTTE AREA
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight (9.63 ppg) : 0.500 psi/ft
 Shut in surface pressure : 2280 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	SFC TO TD 5-1/2"	15.50	J-55	ST&C	SEE APD COVER SHEET	4.825			
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2850	4040	1.418	2850	4810	1.69	88.35	202	2.29 J

Prepared by : McCoskery, Billings, MT
 Date : 11-30-1992 (Revised 8/30/93)
 Remarks :

The mud gradient and bottom hole pressures (for burst) are 0.500 psi/ft and 2,850 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

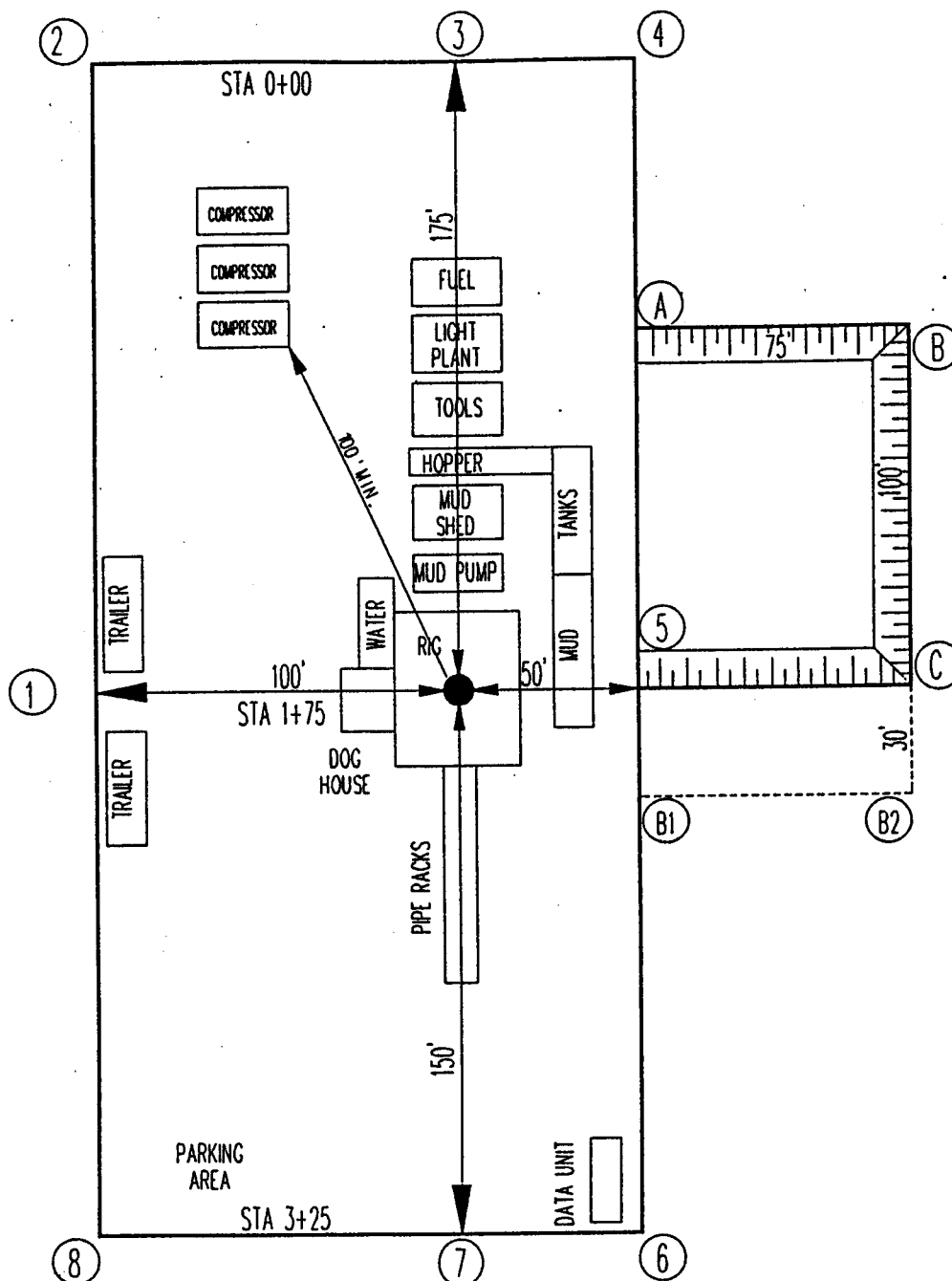
- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93
Revised 12/7/93
/rs

EQUITABLE RESOURCES ENERGY CO.

WELLSITE LAYOUT



TRI-STATE
LAND SURVEYING, INC.
 38 WEST 100 NORTH, YERBA, UTAH 84078
 801-781-2501

EXP. PIT "H"

UNION DRILLING RIG #17

Hex Kelly

ROTATING HEAD

ADJ. CHOKE

AIR BOWL

7" FLOWLINE

#3000
BLIND RAM-PIPE RAM

3" GATE VALVE

3" GATE VALVE

3" CHOKE LINE

ADJ. CHOKE

#3000 STACK

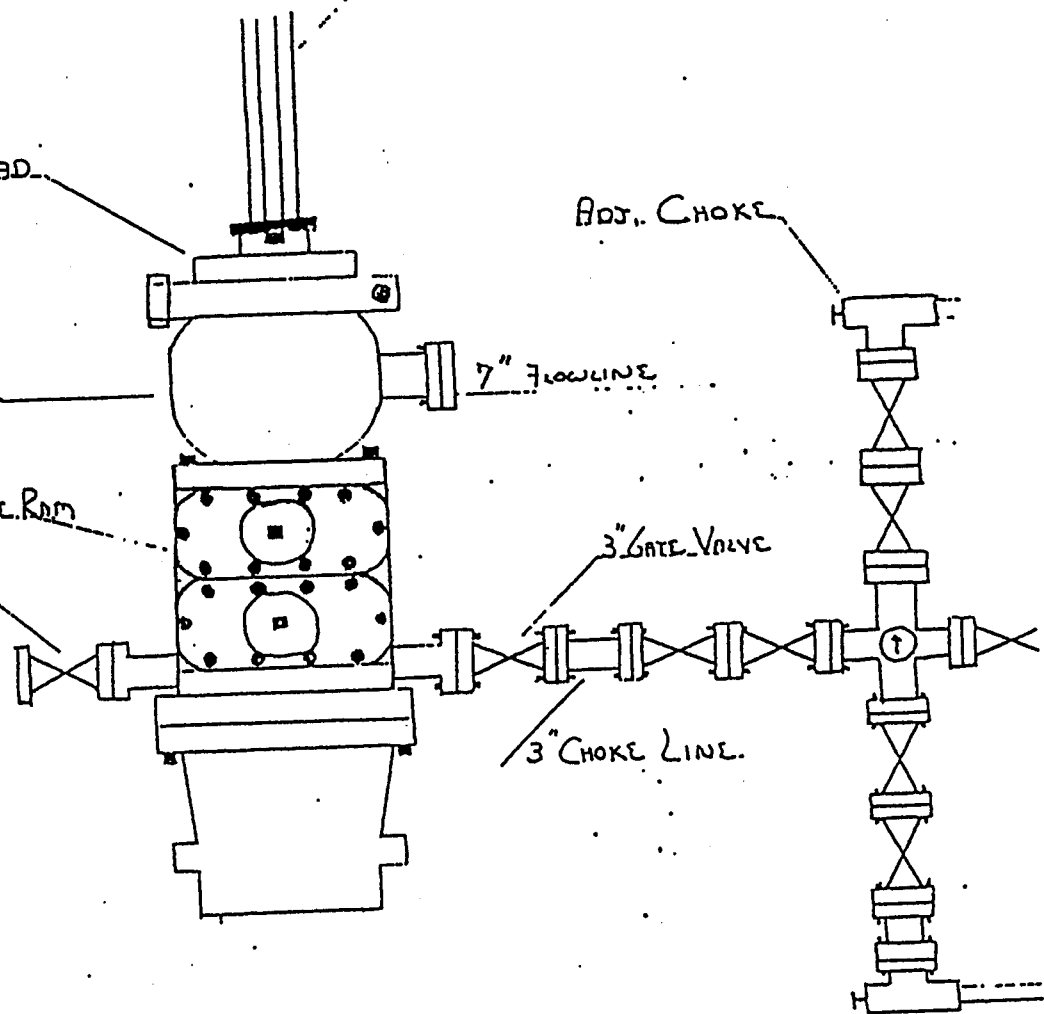
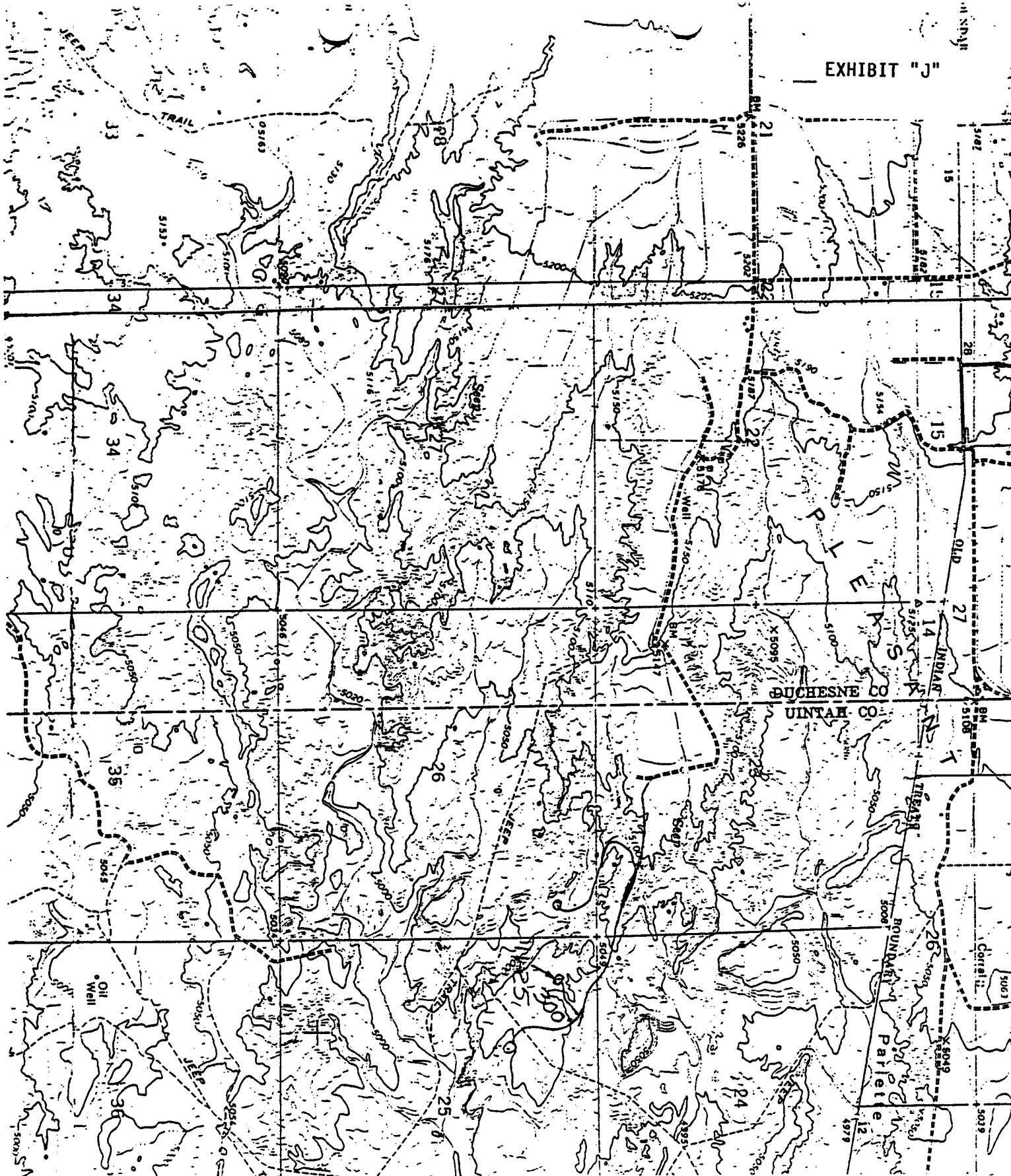


EXHIBIT "J"



EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #11-25

MAP "B"

TRI-STATE

LAND SURVEYING, INC.

38 WEST 100 NORTH, VERNAL, UTAH 84078

801-781-2501

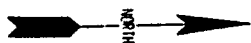
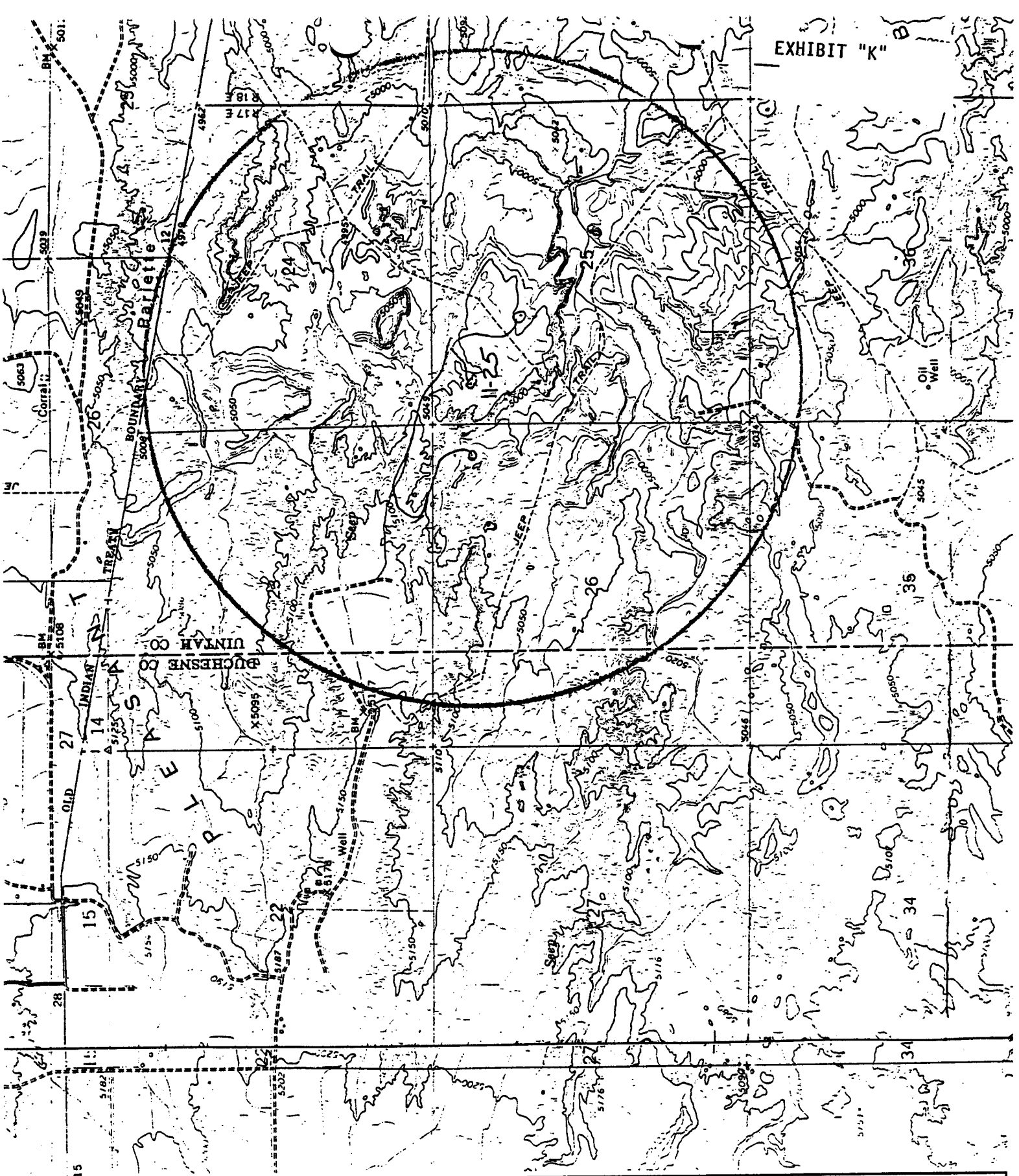
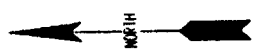


EXHIBIT "K"



EQUITABLE RESOURCES ENERGY CO.
MONUMENT FEDERAL #11-25
MAP "C"

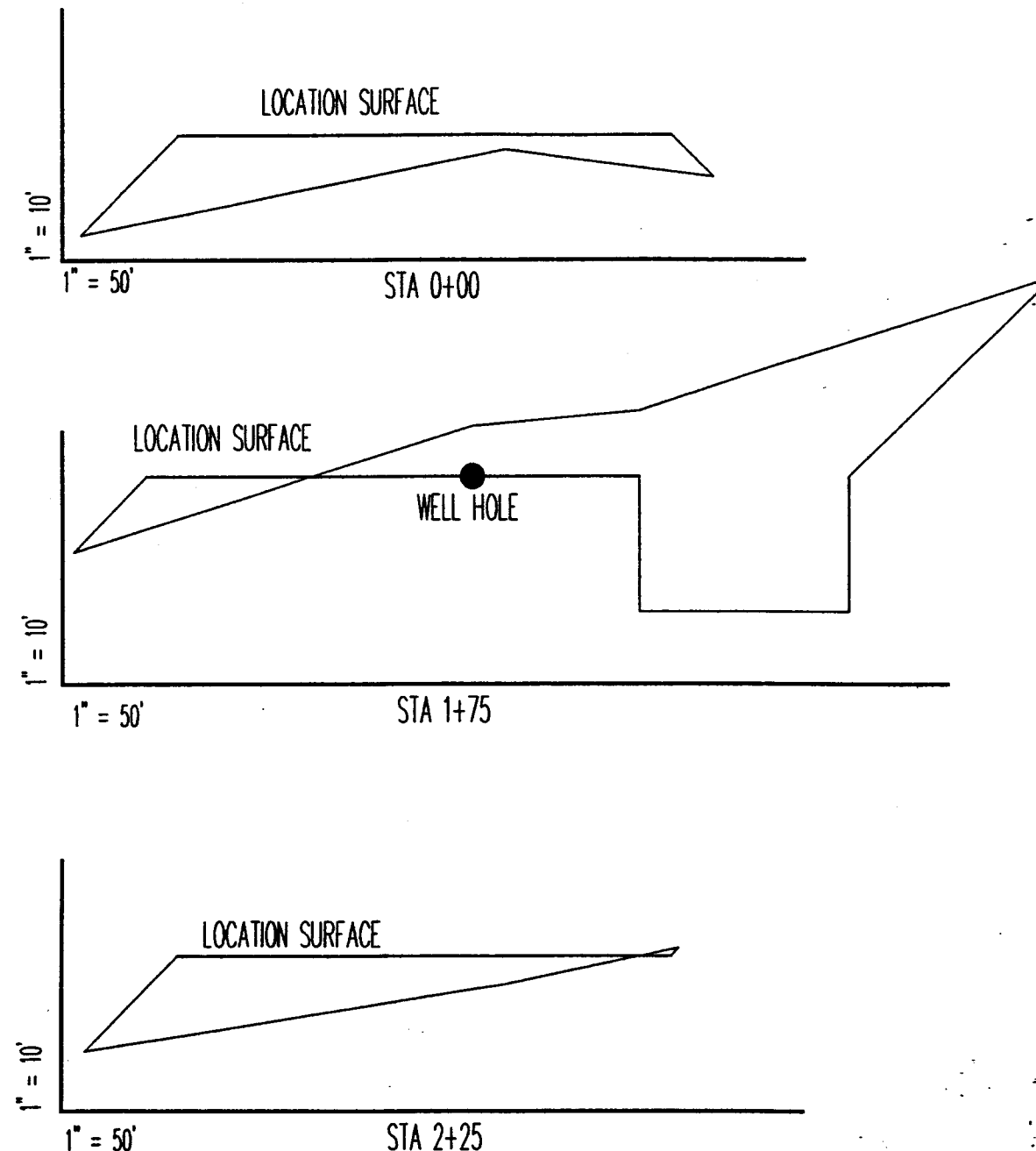
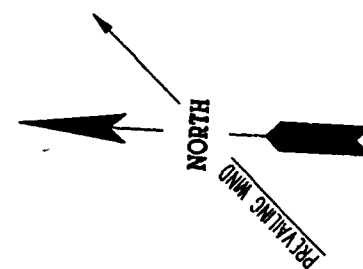
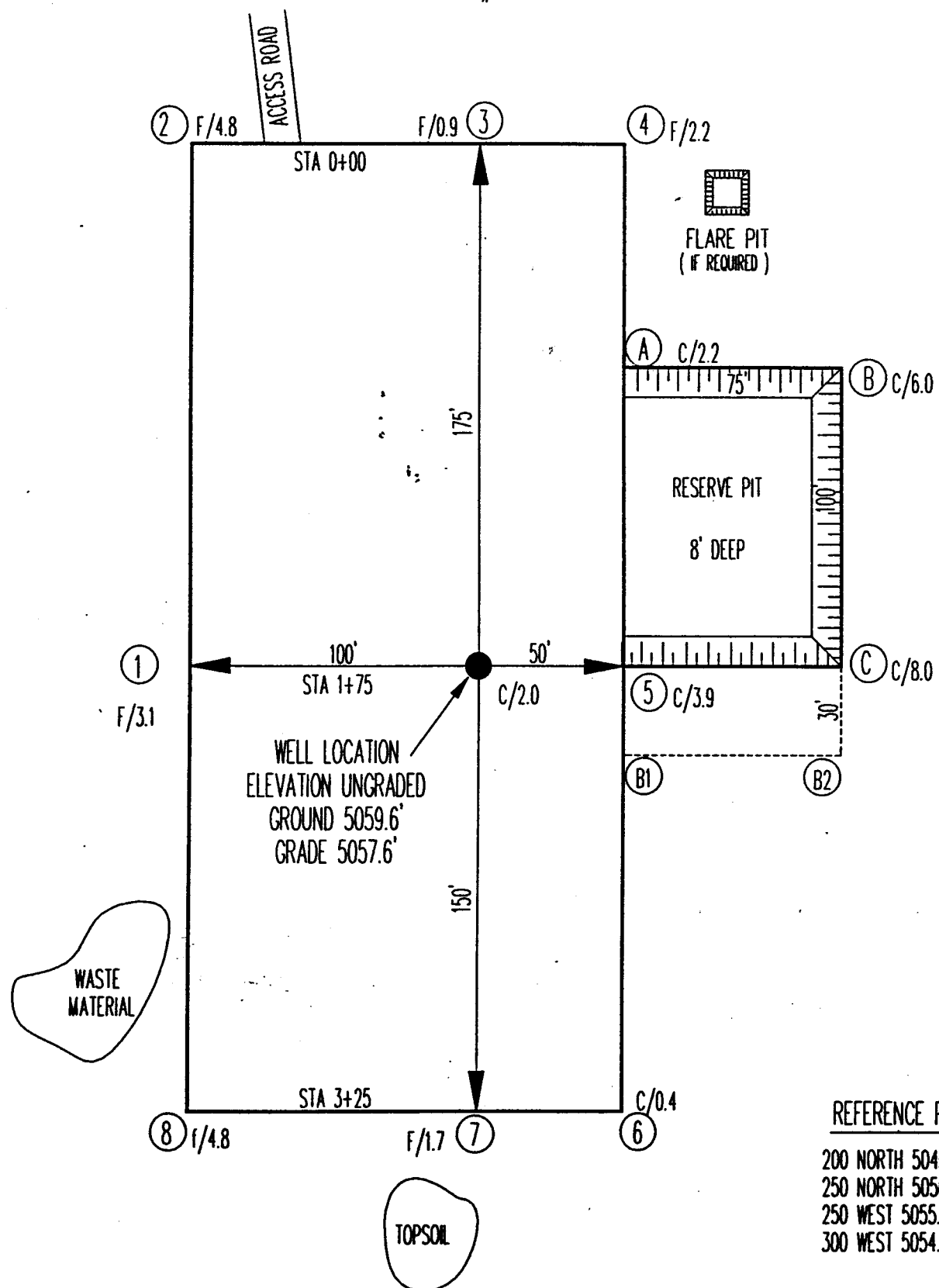
TRI-STATE
LAND SURVEYING, INC.
33 WEST 100 NORTH, VERNAL, UTAH 84073
801-781-2501



EQUITABLE RESOURCES ENERGY CO.

BALCRON FEDERAL #11-25

EXHIBIT "L"



APPROXIMATE YARDAGE

CUT = 2607 Cu Yds
FILL = 2247 Cu Yds
PIT = 1826.4 Cu Yds

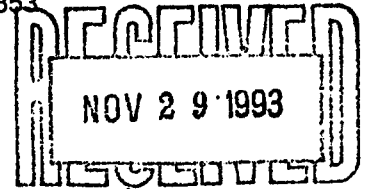
TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERNAL, UTAH 84078
801-781-2501



EXHIBIT "M"
**ARCHEOLOGICAL - ENVIRONMENTAL
RESEARCH CORPORATION** 11-25

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

November 22, 1993



Subject: CULTURAL RESOURCE EVALUATION OF FOUR PROPOSED
WELLS IN THE MONUMENT BUTTES AND PLEASANT
VALLEY LOCALITIES OF DUCHESNE AND UINTAH
COUNTIES, UTAH

Project: Balcron Oil -- 1993-1994 Development Program

Project No.: BLCR-93-10

Permit No.: Dept. of Interior -- UT-93-54937

State Project No: UT-93-AF-655b

To: Ms. Bobbie Schuman, Balcron Oil Division, P.O. Box 21017, Billings, Montana
59104

Mr. David Little, District Manager, Bureau of Land Management, 170 South 500
East, Vernal, Utah 84078

Info: Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City,
Utah 84101

**CULTURAL RESOURCE EVALUATION
OF FOUR PROPOSED WELLS
IN THE MONUMENT BUTTES AND
PLEASANT VALLEY LOCALITIES
OF DUCHESNE AND UINTAH COUNTIES, UTAH**

Report Prepared for Balcron Oil Company

**Dept. of Interior Permit No.: UT-93-54937
AERC Project 1414 (BLCR-93-10)**

Utah State Project No.: UT-93-AF-655b

**Principal Investigator
F. Richard Hauck, Ph.D.**

**Authors of the Report
F. Richard Hauck & Glade V Hadden**



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

**181 North 200 West, Suite 5
P.O. Box 853
Bountiful, Utah 84011-0853**

November 22, 1993

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Company of four proposed wells (Units 14-4, 33-5, 34-7 and 11-25) and associated access routes situated on BLM administered lands located in the Monument Buttes locality of Duchesne County, Utah and the Pleasant Valley locality of Uintah County, Utah. This evaluation involved a total of 32.06 acres, of which 30 acres are associated with three of the four well pads and an additional 2.06 acres associated with the various access road rights of way. These evaluations were conducted by F. R. Hauck, Glade Hadden and Walter Lenington of AERC on November 12 and 15, 1993.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

One newly identified cultural resource activity locus was discovered and recorded during the examinations. 42DC 784 is a significant prehistoric activity locus associated with well location 34-7. This site is located outside the impact zone for the proposed well and no adverse impact is expected.

No isolated artifacts were noted or recorded during the investigations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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Prehistory and History of the Project Area	6
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GENERAL INFORMATION

On November 12 and 15, 1993, AERC archaeologists F. R. Hauck, Glade Hadden and Walter Lenington conducted an intensive cultural resource evaluation for Balcron Oil Company of Billings, Montana. This examination involved three proposed well locations (Units 14-4, 33-5 and 34-7) and associated access roads located in the Monument Buttes area, and a fourth well location (11-25) located in the Pleasant Valley area south of Myton, Utah. Unit 11-25 has been previously surveyed in 1991 for Greenwood Holdings by Sagebrush Archaeological Consultants (Polk 1991), so no further survey was deemed necessary. Some 32.06 acres were examined which includes ca. 30 acres associated with the three surveyed well pads and an additional 2.06 acres associated with the various 100 foot-wide access routes. This project is situated in the Monument Buttes locality of Duchesne County, Utah. The entire project area is situated on federal lands administered by the Bureau of Land Management, Vernal District Office, Diamond Mountain Resource Area.

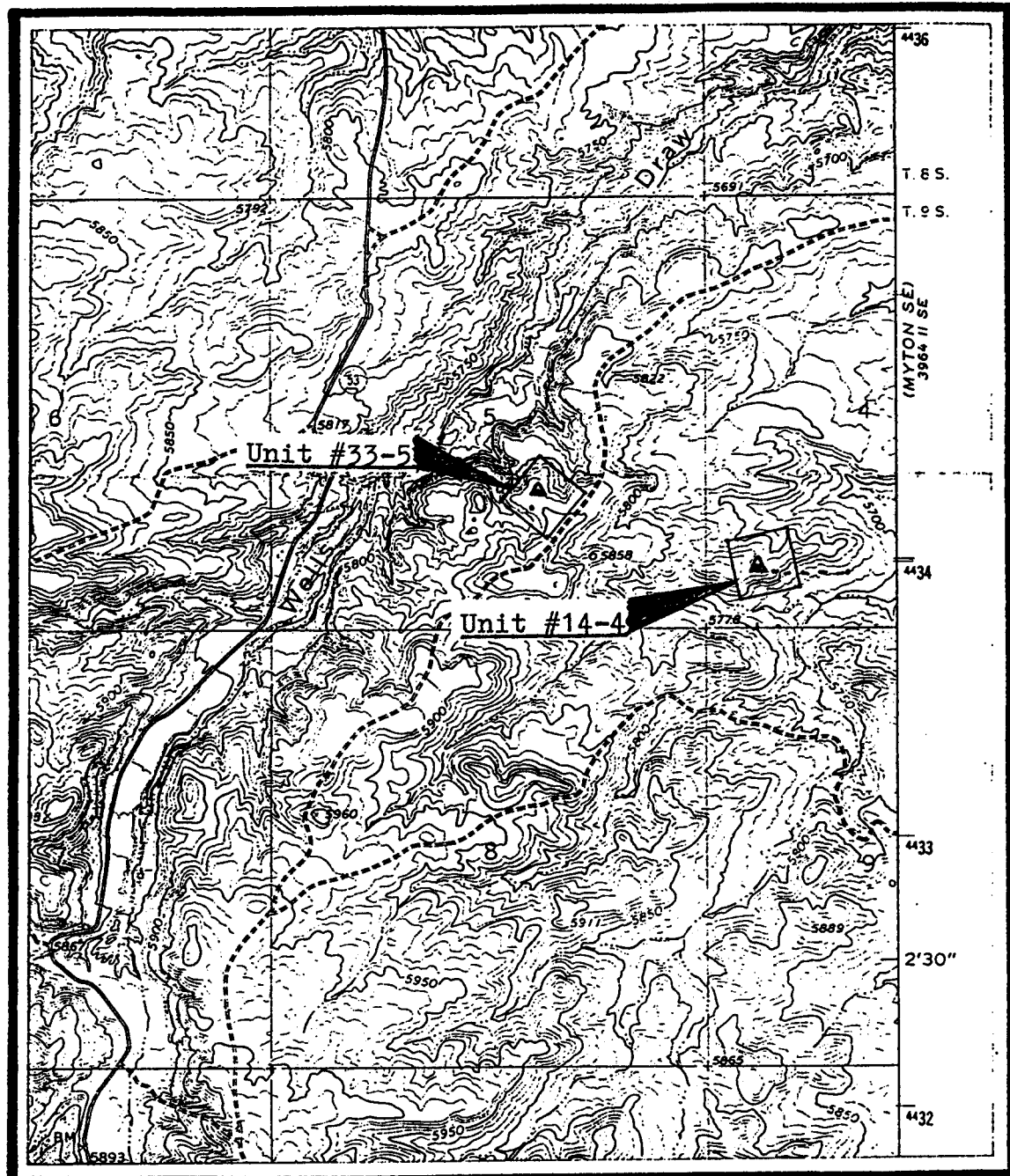
The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed developments of these four drilling locations require archaeological evaluations in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management Vernal District Office, and to the Utah State Antiquities Section. This work was done under U.S. Department of Interior Permit for Utah UT-93-54937 which expires on January 31, 1994.

Project Location



The project location is in the Monument Buttes locality of Duchesne County, Utah (situated on the Myton SE 7.5 minute topographic quad) and in the Pleasant Valley locality of Uintah County, Utah (situated on the Pariette Draw SW 7.5 minute topographic quad). The proposed drilling locations are situated in the following sections:

Balcron Monument Federal #14-4 is located in the SW - SW of Section 4, T. 9 So., R. 16 E. and includes ca. 600 feet of access road (see Map 1)

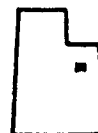


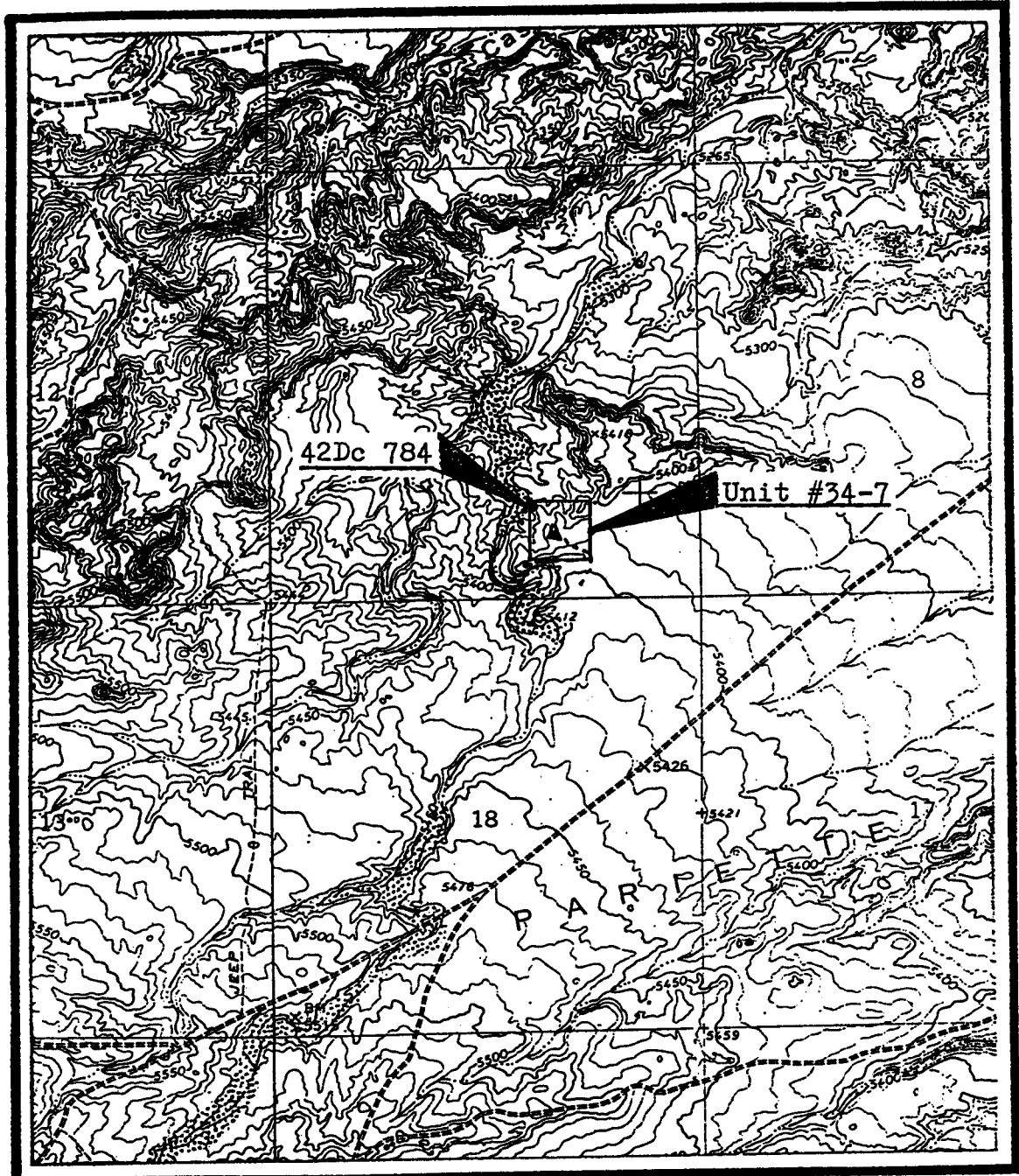
T. 9 So.
R. 16 E.
Meridian: SL
Quad: Myton SW
Utah

MAP 1
Cultural Resource Survey of
Proposed Balcron Well Units
in the Monument Buttes
Locality, Duchesne County

Legend:
Well Location 
Access Route 




4
N
Project: Scale: 1:64,000
Series: BLCR-93-10
Date: Uinta Basin
11/22/93 2





T. 9 So.
R. 17 E.
Meridian: SL
Quad: Myton SE
Utah

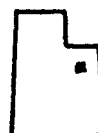
MAP 2
Cultural Resource Survey of
a Proposed Balcron Well Unit
in the Monument Buttes
Locality, Duchesne County

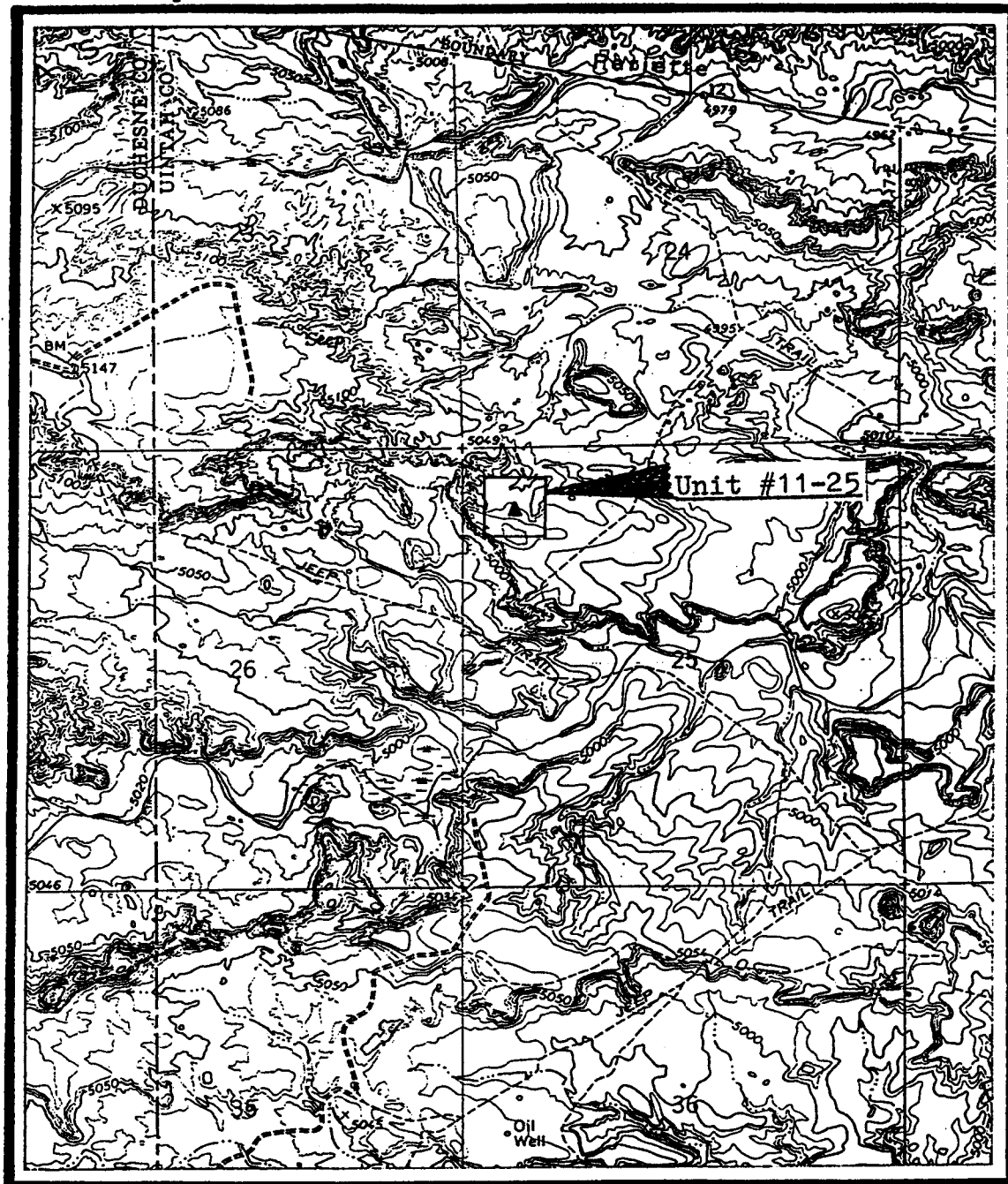
Legend:
Well Location 
Access Route 
Cultural Site 

4
N

Project: BLCR-93-10
Series: Uinta Basin
Date: 11/22/93



Scale: 1:64,000





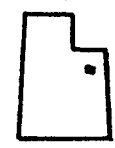
T. 8 So.
R. 17 E.
Meridian: SL
Quad: Pariette
Draw SW
Utah

MAP 3
Cultural Resource Survey of
a Proposed Balcron Well Unit
in the Pleasant Valley
Locality of Uintah County

Legend:
Well Location 
Access Route 

4
N

Project: Scale: 1:64,000
Series: BLCR-93-10
Date: Uinta Basin
11/22/93



Balcron Monument Federal #33-5 is located in the NW - SE of Section 5, T. 9 So., R. 16 E. (see Map 1)

Balcron Monument Federal #34-7 is located in the SW - SE of Section 7, T. 9 So., R. 17 E. and includes ca. 300 feet of access road (see Map 2)

Balcron Monument Federal #11-25 is located in the NW - NW of Section 25, T. 8 So., R. 17 E. (see Map 3)

Environmental Description

The project area is within the 5000 to 5800 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Eriogonum* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on October 18, 1993. A similar search was conducted in the Vernal District Office of the BLM on November 12, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Norman and Hauck 1980). Other sites have been located and recorded by AERC and other archaeological consultants during oil and gas exploration inventories.

File search also indicated that one of the proposed well locations (#11-25) had been previously surveyed by Sagebrush Archaeological Consultants (Polk 1991). BLM Vernal District archaeologist Blaine Phillips, when consulted concerning the earlier Polk inventory, indicated that no further survey need be done on that location.

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologists walking a series of 10 to 20 meter-wide transects across a 10 acre area covering each well pad. In addition, access routes were surveyed by the archaeologists walking a pair of 10 to 15 meter wide transects on each side of the flagged access route right of way. Thus, a 30 meter-wide or 100 foot-wide corridor (ca. 2.06 acres) was examined for the total ca. 900 foot length of proposed access road, in addition to the thirty acres inventoried on the well pads for a total of 32.06 acres.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

One prehistoric cultural resource activity locus was observed and recorded during the archaeological evaluations. Site 42DC 784 (see map 2) is a 5 x 15 meter lithic scatter located outside the development zone of well #34-7. Artifacts are composed mainly of Parachute Creek Chert flakes in all stages of lithic tool manufacture. This site is considered to be a significant resource, and qualifies under criterion d of Title 36 CFR 60.6, exhibiting research potential in the form of extensive buried deposits which are being exposed by blowouts in the sand dune area. Since this site lies entirely outside the proposed development zone of well #34-7, no adverse impact is anticipated and no mitigation measures are being proposed.

No previously identified and recorded significant or National Register sites were noted or recorded during the survey.

No paleontological loci were observed or recorded during the evaluations.

No isolated artifacts were recorded during the evaluations.

CONCLUSION AND RECOMMENDATIONS

No known significant cultural or paleontological resources will be adversely impacted during the development and operation of Balcron Units 14-4, 33-5, 34-7 and 11-25 as evaluated during this project.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the developments of these four proposed drilling locations based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

F. Richard Hauck, Ph.D.
President and Principal
Investigator

REFERENCES

Hadden, Glade V and F. R. Hauck

1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.

1993b Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-5, Archaeological-Environmental Research Corporation, Bountiful.

1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.

Hauck, F. Richard

1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.

1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.

1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.

1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil

Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.

- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.

Norman, V. Garth and F.R. Hauck

- 1980 Final Report on the Mapco River Bend Cultural Mitigation Study. **AERC Paper No. 18**, of the Archeological-Environmental Research Corporation, Bountiful.

Polk, M. R.

- 1991 A Cultural Resources Survey of Four Proposed Greenwood Holdings Well Locations in Duchesne and Uintah Counties, Utah. Report Prepared by Sagebrush Archaeological Consultants, Project # U91-SJ-298. On file at the Bureau of Land Management, Vernal District Office.

Equitable Resources Energy Company Balcron Monument Federal 11-25 Proposed Production Facility Diagram

EXHIBIT "N"

Balcron Monument Federal 11-25
NW NW Sec. 25, T8S, R17E
Duchesne County, Utah
Federal Lease #U-67845
739' FNL, 648' FWL

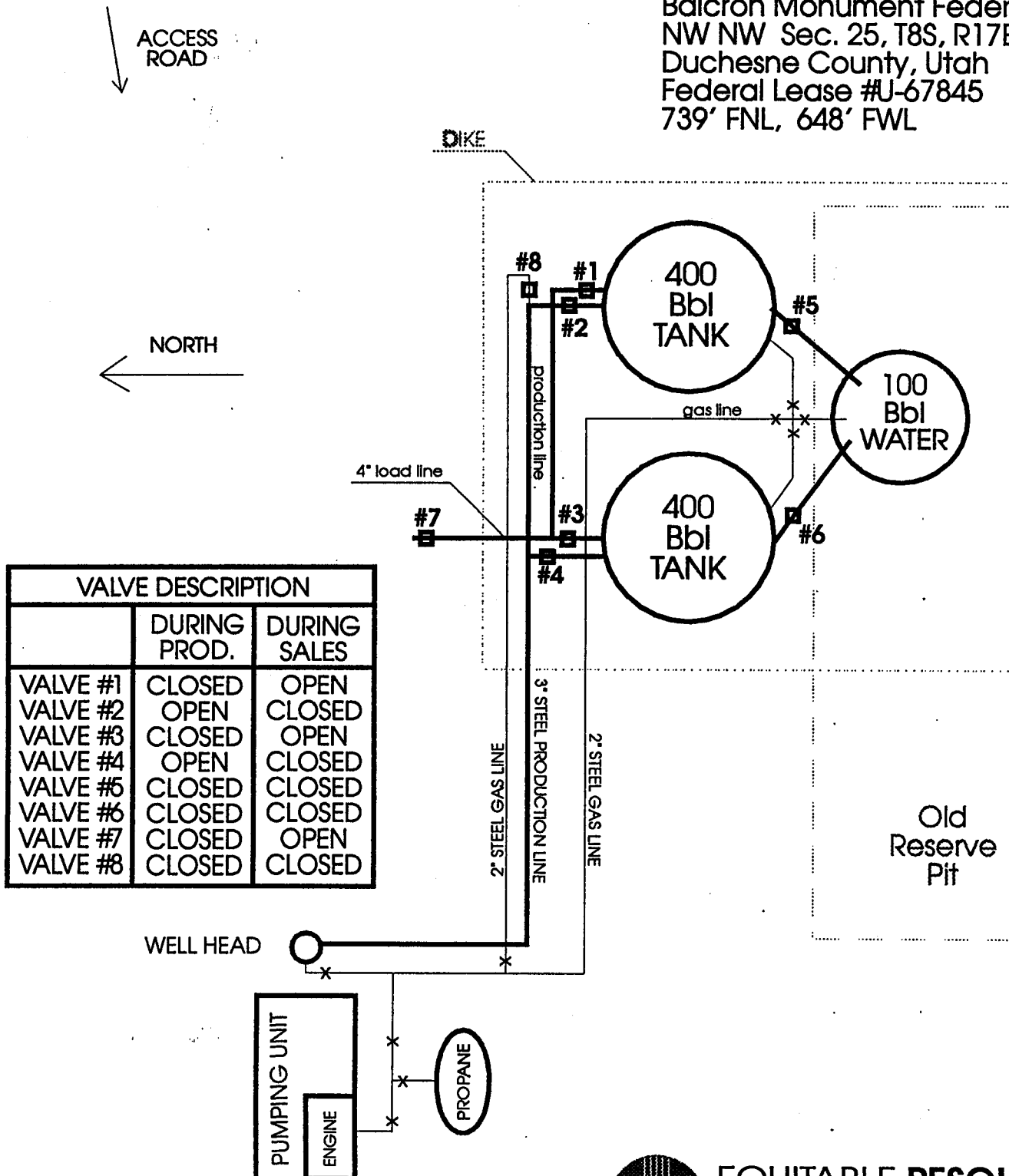


DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

RECEIVED

DEC 14 1993

**DIVISION OF
OIL, GAS & MINING**

December 13, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are Applications for Permit to Drill the following wells:

Balcron Monument Federal #31-17

Balcron Monument Federal #22-17

Balcron Monument Federal #14-4

Balcron Monument Federal #11-25

Balcron Monument Federal #12-17

As operator, we hereby request that the status of this well be held TIGHT for the maximum period allowed by Federal and State regulations.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		4. Lease Designation and Serial No. Federal # U-67845	
Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		6. If Indian, Alinee or Tribe Name n/a	
Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>		7. Unit Agreement Name n/a	
Name of Operator Equitable Resources Energy Company, Balcron Oil Division		8. Farm or Lease Name Balcron Monument Federal	
Address of Operator P.O. Box 21017; Billings, MT 59104		9. Well No. #11-25	
Location of Well (Report location clearly and in accordance with any State requirements.) At surface 138.8' FNL, 648' FWL NW NW Sec. 25, T8S, R17E At proposed prod. zone 139		10. Field and Pool, or Wildcat "UNDESIGNATED"	
Distance in miles and direction from nearest town or post office* From Myton, Utah, approximately 10 miles southwest		11. Co. Sec., T., R., H., or Blk. and Survey or Area NW NW Sec. 25, T8S, R17E	
Distance from proposed location to nearest property or lease line, ft. (Also to nearest drilg. line, if any) Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft. GL 5059.59'		12. County or Parish Uintah	
18. No. of acres in lease		13. State UTAH	
19. Proposed depth 6,800'		17. No. of acres assigned to this well	
20. Rotary or cable tools Rotary		22. Approx. date work will start* Upon APD approval	
PROPOSED CASING AND CEMENTING PROGRAM			
Size of Hole	Size of Casing	Weight per Foot	Setting Depth
Quantity of Cement			
See attached			

Operator plans to drill this well in accordance with the attached Federal Application for Permit to Drill.

RECEIVED

DEC 14 1993

DIVISION OF
OIL, GAS & MINING

ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

I hereby certify that this report is true and complete to the best of my knowledge.

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date December 13, 1993

(This space for Federal or State office use)

API NO. 43-047-32455(143)

Approval Date

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Approved by _____
Conditions of approval, if any:

Title

DATE: 12-20-93

BY: John Matthews

WELL SPACING: 6493-2

*See Instructions On Reverse Side

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/14/93

API NO. ASSIGNED: 43-047-32455

WELL NAME: BALCRON MONUMENT FEDERAL 11-25
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

NWNW 25 - T08S - R17E
SURFACE: 0739-FNL-0648-FWL
BOTTOM: 0739-FNL-0648-FWL
UINTAH COUNTY
UNDESIGNATED FIELD (002)

LEASE TYPE: FED
LEASE NUMBER: U-67845

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal ☒ State ☐ Fee ☐
(Number 0576 + 5547198)
N Potash (Y/N)
N Oil shale (Y/N)
N Water permit
(Number BY SUMMARY)
N RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

____ R649-2-3. Unit: _____
☒ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: WELL IS NOT IN A SECONDARY RECOVERY UNIT
✓ INFILL DRILLING FITS STANDARD LOCATION.

STIPULATIONS: _____

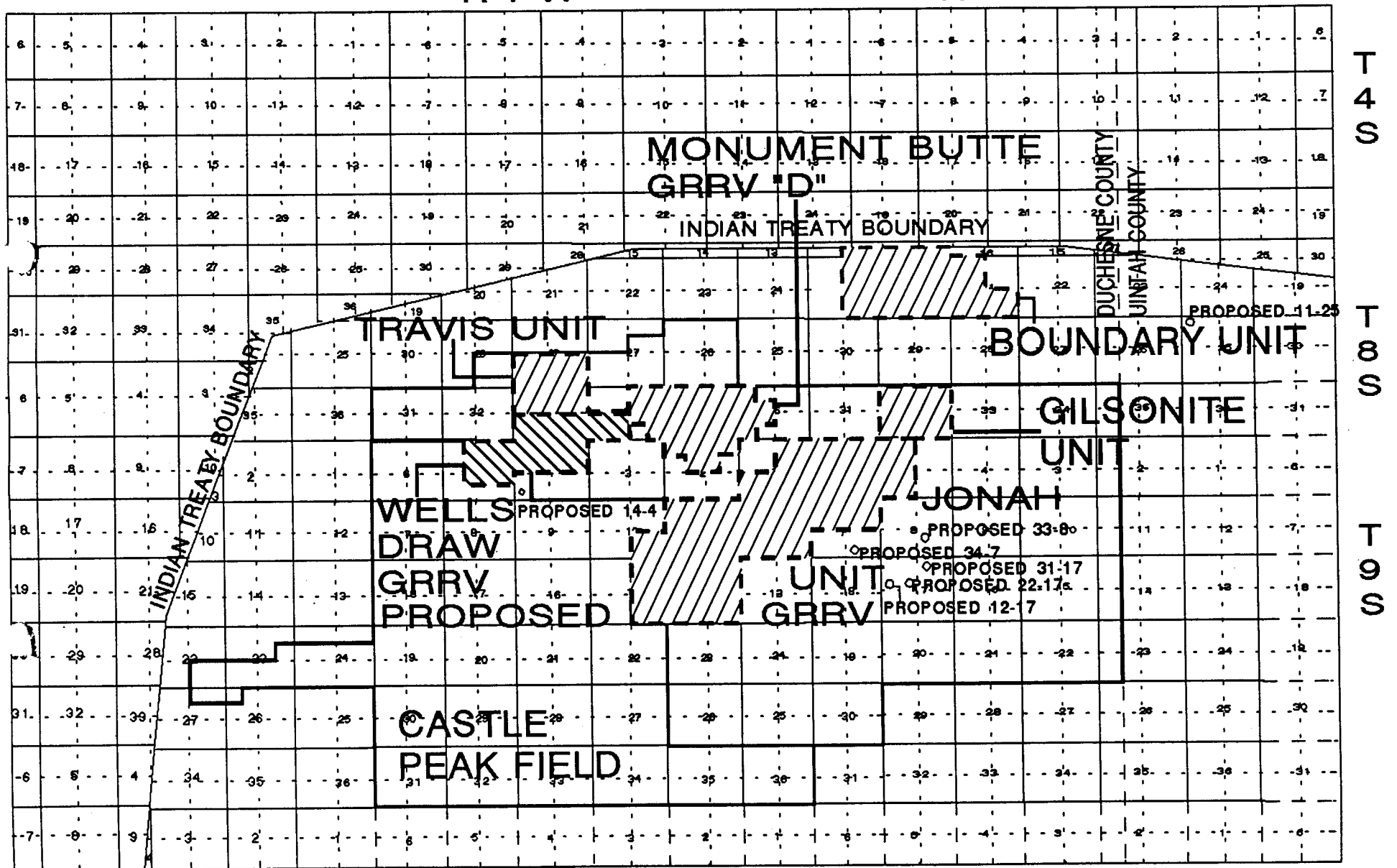
CONFIDENTIAL
PERIOD
EXPIRED
ON 6-13-95

MONUMENT BUTTE WATER FLOOD UNITS

R 2 W

R 1 W

R 1 E



R 15 E

R 16 E

R 17 E

----- WATER FLOOD BOUNDARY

—— FIELD BOUNDARY



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

RECEIVED

DEC 17 1993

DIVISION OF
OIL, GAS & MINING

December 15, 1993

CONFIDENTIAL

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed are Paleontology Reports on the wellpad location and access road for the following wells:

Balcron Monument Federal #11-25
Balcron Monument Federal #12-17
Balcron Monument Federal #14-4
Balcron Monument Federal #22-17
Balcron Monument Federal #31-17
Balcron Monument Federal #33-8
Balcron Monument Federal #34-7
Balcron Monument Federal #41-26
Balcron Monument Federal #42-18
Balcron Monument Federal #43-7

43 047 32455

Applications for Permit to Drill these wells have already been submitted.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

BALCRON OIL

Balcron Monument Federal #11-25

NW NW Section 25, T8S, R17E, SLB&M

Uintah County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN
PALEONTOLOGIST
235 EAST MAIN
VERNAL, UTAH 84078

December 6, 1993

RESULTS OF PALEONTOLOGY SURVEY AT BALCRON MONUMENT BUTTE FEDERAL #11-25

Description of Geology and Topography-

This well location is 6.5 miles south and 5 miles east of Myton, Utah. The general area is a badlands area south of Pleasant Valley. Rocks in the immediate area of the proposed access road and wellpad are composed of interbedded mudstone, and sandstone. These rocks probably represent fluvial (stream) deposits.

The access road runs west up a small draw onto a flat ridge where the wellpad is located. Most of the pad is underlain by sandstone, but the west side drop off about 3 feet onto a soft silty gray-green bed.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

The small draw where the access road runs has an occasional turtle shell fragment. On the south side of this draw one turtle is weathering out at the base of the north slope. Other bone fragments were seen southwest up this draw. These appear to have been weathered prior to deposition.

Some plant impressions were seen on the west side of the sandstone on the wellpad. These are west 265 degrees, 35 yards from the center stake. One could possibly be part of a palm leaf. Other material was in rather poor quality.

Recommendations-

None of the fossil vertebrate material found will be directly impacted by construction.

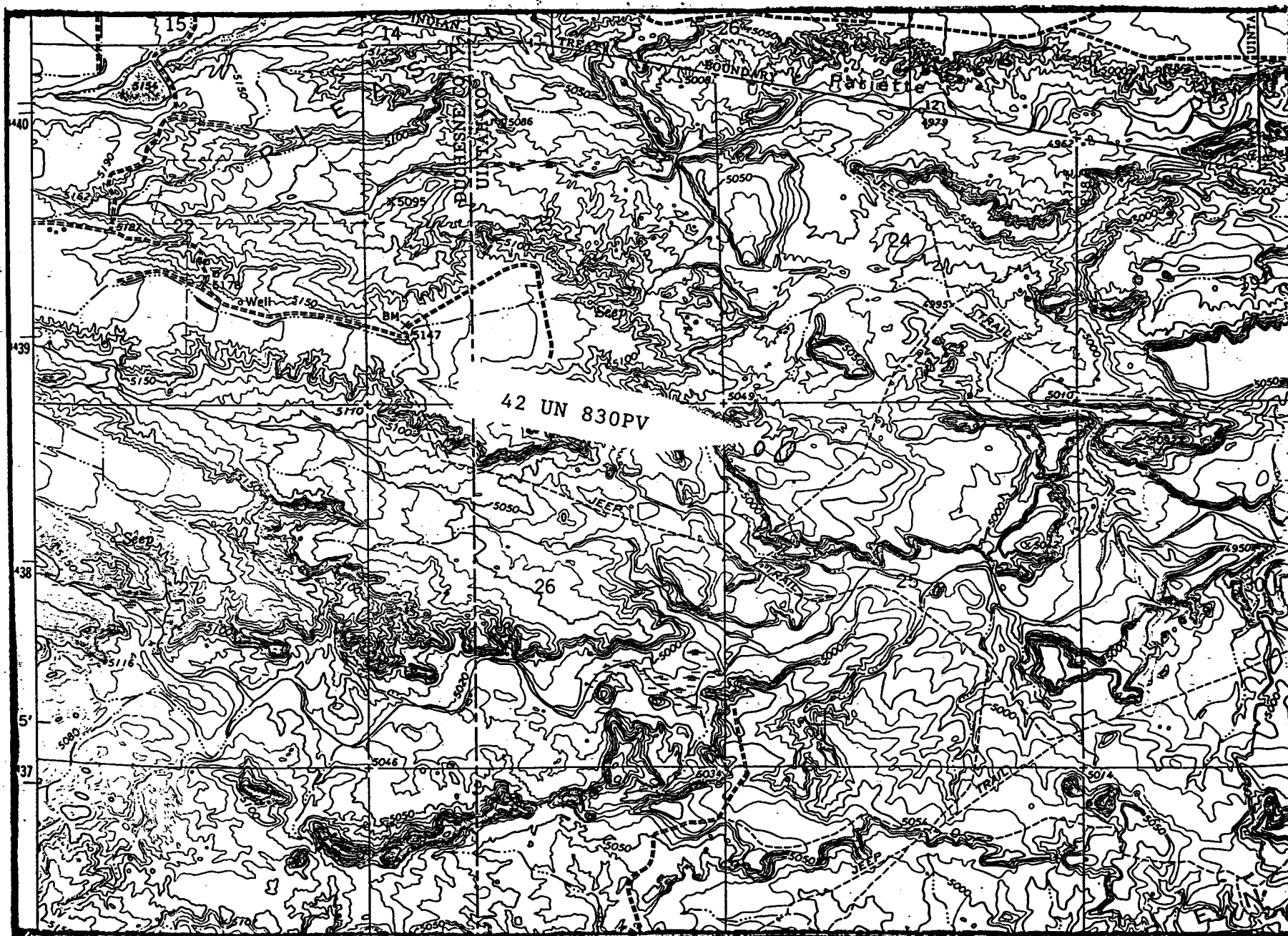
The plant material is rather poor in quality and fairly limited. One sample was collected during the survey.

Monitoring is not being recommended, but if significant looking material, plant or vertebrate, turns up during construction, it should be evaluated.

Robert H. Hamilton
Paleontologist

Date December 2, 1993

PALEONTOLOGY LOCALITY Data Sheet						Page 1 of 1 plus map											
						State Local. No. 42 UN 830PV											
						Agency No.											
						Temp. No BALCRON MONUMENT BUTTE FEDERAL #11-25											
1. Type of locality Invertebrate		Plant		X		Vertebrate		X		Trace		Other _____					
2. Formation: UINTA				Horizon: "B"				Geologic Age: Late Eocene									
3. Description of Geology and Topography: The general area is a badlands area south of Pleasant Valley. Rocks in the immediate area of the proposed access road and wellpad are composed of interbedded mudstone, and sandstone. These rocks probably represent fluvial (stream) deposits. The access road runs west up a small draw onto a flat ridge where the wellpad is located. Most of the pad is underlain by sandstone, but the west side drop off about 3 feet onto a soft silty gray-green bed. All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.																	
4. Location of Outcrop: 6.6 miles south and 5 mile east of Myton, Utah.																	
5. Map Ref.		USGS Quad		Pariette Draw SW				Scale		7.5 Min		Edition		1964			
NE1/4		of		NW1/4		of		NW1/4		of Sectn		25		T 9 S R 17E Meridn SLB			
6. State: UTAH				County: UINTAH COUNTY				BLM/FS District: VERNAL- DIAMOND MT.									
7. Specimens Collected and Field Accession No. NONE																	
8. Repository:																	
9. Specimens Observed and Disposition: The small draw where the access road runs has an occasional turtle shell fragment. On the south side of this draw one turtle is weathering out at the base of the north slope. Other bone fragments were seen southwest up this draw. These appear to have been weathered prior to deposition. Some plant impressions were seen on the west side of the sandstone on the wellpad. One could possibly be part of a palm leaf. These are west 265 degree, 35 yards from the center stake. This material was in rather poor quality.																	
10.Owner: Private		State		BLM		X		US FS		NPS		IND		MIL		OTHR	
11.Recommendations for Further Work or Mitigation: None of the fossil vertebrate material found will be directly impacted by construction. The plant material is rather poor in quality and fairly limited. One sample was collected during the survey. Monitoring is not being recommended, but if significant looking material, plant or vertebrate, turns up during construction, it should be evaluated.																	
12.Type of Map Made by Recorder:																	
13.Disposition of Photo Negatives: Several slides taken by A. H. Hamblin.																	
14.Published References: Hamblin, A. H., 1992, Paleontology Report on the Monument Butte EA Study Area, for Mariah Associates, Larimie, Wyoming.																	
15.Remarks:																	
16.Sensitivity:		Critical		Significant		Important		X		Insignificant							
17.Recorded by: Alden Hamblin, Paleontologist								Date: November 10, 1993									



42 UN 830PV

BALCLUTHA OIL MONUMENT BUTTE FEDERAL #11-25
NW NW SEC. 25, T8S, R17E, SLB&M
PARIETTE, UT QUAD



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 20, 1993

Equitable Resources Energy Company
P.O. Box 21017
Billings, Montana 59104

Re: Balcron Monument Federal #11-25 Well, 739' FNL, 648' FWL, NW NW, Sec. 25,
T. 8 S., R. 17 E., Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after commencing drilling operations.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or Mike Hebertson, Oil and Gas Field Specialist, (Home) (801)269-9212.
6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.



Page 2
Equitable Resources Energy Company
Balcron Monument Federal #11-25 Well
December 20, 1993

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32455.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Fitch', is written over the printed name.

R.J. Fitch
Associate Director, Oil and Gas

ldc
Enclosures
cc: Uintah County Assessor
Bureau of Land Management, Vernal
WOI1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 25, T8S, R17E 738.6' FNL, 648.2' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Federal #11-25

9. API Well No.

43-047-32455

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Uintah County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other correction in field
name
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is being submitted to show a correction in Field name from Monument Butte Field to an Undesignated Field in accordance with notification from the State of Utah, Division of Oil, Gas and Mining.

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Coordinator of Environmental
and Regulatory Affairs

Date December 17, 1993

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PLUG BACK ☐

MULTIPLE ☐

ZONE

EQUITABLE RESOURCES ENERGY COMPANY, Balcon Oil Division

P.O. Box 21017; Billings, MT 59104

NW NW Section 25, T8S, R17E

At proposed prod. zone

NW NW Section 25, T8S, R17E

At proposed prod. zone 738.6' FNL, 648.2' FWL

From Myton, Utah, approximately 10 miles southwest

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

GL 5059.59'

22. APPROX. DATE WORK WILL START:

Upon APD approval

23. **PROPOSED CASING AND CEMENTING PROGRAM**

EXHIBITS ATTACHED

DEC 14 1993
DEC 14 1994

- "H" BOPE DIAGRAM
"I" EXISTING ROADS (Map A)
"J" PLANNED ACCESS (Map B)
"K" EXISTING WELLS (Map C)
"L" CUT & FILL DIAGRAM
"M" ARCHEOLOGY REPORT
"N" PROPOSED PRODUCTION FACILITY DIAGRAM

DIVISION OF OIL, GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT-0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

**ASSISTANT DISTRICT
MANAGER MINERALS**

DATE

APPROVED BY [Signature]
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF LICENSE APPLIED
TO OPERATOR

NOTICE OF APPROVAL

***See Instructions On Reverse Side**

Div 06xM
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 11-25

API Number: 43-047-32455

Lease Number: U-67845

Location: NWNW Sec. 4 T. 8S R. 17E

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany Oil shale zone, identified at $\pm 3,143$ ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to $\pm 2,943$ ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATION
Conditions of Approval (COAs)

Methods for Handling Waste Disposal

The reserve pit liner will have sufficient bedding (straw or dirt) to cover rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc..., that could puncture the liner will be deposited in the pit.

The requested emergency pit is hereby approved under Onshore Order No. 7, subject to the following Conditions of Approval:

1. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for drilling the reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
2. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.

Additional Surface Conditions of Approval

If paleontologic resources are found or uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

Construction of the access road must be monitored by a qualified paleontologist.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

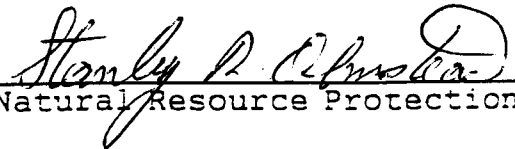
The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

The silt catchment dam will be constructed according to BLM specifications approximately "350" feet East of corner #3. This differs from the distance listed in the Surface Use Plan.

Waiver of Fencing Around Containment Tanks.

Well No. 11-25 Lease No. 11-67845 Date. 10-15-93

Balcron Oil Division's operation supervisor has requested to modify fencing around small containment tanks for the above well location. The purpose of the BLM fencing standards are to prevent injury to livestock or wildlife by entering pits which may contain fluids. Balcron's present method of placing 100 barrel tanks covered with metal cross supports and wire mesh within earthen depressions accomplishes this purpose. **This method of containment does not need fencing.** Balcron will need to maintain at least one side of the earthen depression the tank rests in at less than a 1:1 slope to allow escape if needed and any hydrocarbons that enter the depression must be considered a spill and removed within 48 hours.


Natural Resource Protection Spec.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMNET FEDERAL 11-25

API NO. 43-047-32455

Section 25 Township 8S Range 17E County UINTAH

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 4/4/94

Time 12:00 NOON

How DRY HOLE

Drilling will commence

Reported by DLI-DOGM

Telephone #

Date 4/4/94 SIGNED JLT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (259-7860)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 25, T8S, R17E
738.6' FNL, 648.2' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcon Monument Federal #11-25

9. API Well No.

43-015-32455

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

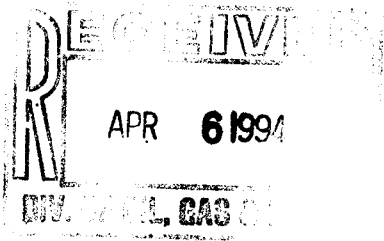
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Report of Spud.

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well spud on 4-4-94 at 11:00 a.m. by Leon Ross Drilling.



14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Regulatory and
Title Environmental Specialist

Date 4-4-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR Equitable Resources Energy Company
Balcron Oil Division
ADDRESS P.O. Box 21017
Billings, MT 59104
(406) 259-7860OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11625	⁰⁴⁷ 43-013 -32455	Balcron Monument Federal #11-25	NW NW	25	8S	17E	Uintah	4-4-94	4-4-94
WELL 1 COMMENTS: <i>Entity added 4-7-94</i> Spud of a new well.											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Date: 4-4-94Bobbie Schuman
SignatureRegulatory and Environmental Specialist
TitlePhone No. (406) 259-7860



GEOLOGIC AND DRILLING REPORT

BALCRON OIL
MONUMENT BUTTE FEDERAL NO. 11-25
NWNW SECTION 25-T8S-R17E
UINTAH COUNTY, UTAH

CONFIDENTIAL

DUPLICATE

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

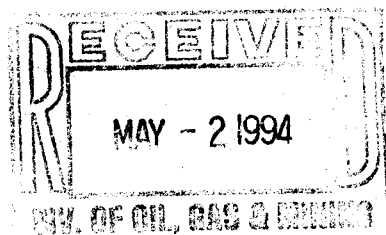
Discovery
Energy Inc.

Discovery
Energy Inc.

Discovery
Energy Inc.

GEOLOGIC AND DRILLING REPORT

**BALCRON OIL
MONUMENT BUTTE FEDERAL NO. 11-25
NWNW SECTION 25-T8S-R17E
UINTAH COUNTY, UTAH**



**BALCRON OIL
Equitable Resources Energy Corp.
P.O. BOX 21017
Billings, Montana 59104**

MICROFICHE

Table of Contents

MONUMENT BUTTE FEDERAL NO. 11-25

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Strip Log-----	Pocket

Prepared by:

M.K. Jones
Petroleum Geologist
P.O. Box 21194
Billings, MT 59104
(406) 652-4505

Well Summary

OPERATOR: Balcron Oil
LEASE AND WELL NAME: Monument Butte Federal No. 11-25
LOCATION: NWNW (740' fn, 648' fw), Section 25-T8S-R17E
Uintah County, Utah
ELEVATION: 5059 Ground, 5069 K.B.
SPUD DATE: April 4, 1994 @ 11:00 AM
COMPLETION DATE: Ran Production Casing, April 21, 1994
CASING POINT, DATE: April 20, 1994
TOTAL DEPTH: 6450' Driller Depth, 6457' Logger Depth
WELL STATUS: Awaiting Completion as Oil Well
DRILLING CONTRACTOR: Union Drilling Company
RIG NO.: 17
HOLE SIZE: Surface; 12 1/4" to 265' Main Hole; 7 7/8" to 6450'
SURFACE CASING: 6 Joints (258.44') 8 5/8", 24#, @ 266 K.B. w/ 150 sx
"G" + 2% CaCl + 1/4#/sk Cello Flake
MUD PROGRAM: Air and Mist to 4221'
KCL water to Total Depth
LOGS: Schlumberger DLL; LDT-CNL
CORES: None
DRILL STEM TESTS: None
SAMPLE QUALITY: Good
PRODUCTION CASING: 5 1/2", 15.5# @ Total Depth
DRILLING EQUIPMENT: BLOW OUT PREVENTER:
RIG: Draw Works Cabot-Franks Rocket Make Schaeffer, Model 10" - 3000#
Mast Make Cabot Height 87' Type Hydraulic Dbl Ram
Power Caterpillar 343 Diesel Drill Pipe Size 4 1/2" Thread XH 16.6#
Drill Collars: No.18, Length 496'
Thread 4"H-90, ID 2 1/2", OD 6"
PUMPS: NO. 1 Make GD, Model 200 FX,
Stroke Length 14"
Liner ID 5 1/2"
Power Twin 671 Detroit Diesels

Penetration Record

DAILY DEPTH AT 6:00 A.M.

Monument Butte Federal 11-25

<u>DATE</u>	<u>PENETRATION</u>		<u>TIME DISTRIBUTION</u>				<u>REMARKS</u>
	<u>DEPTH</u>	<u>FOOTAGE</u>	<u>DRILLING</u>	<u>REPAIRS</u>	<u>OTHER</u>	<u>DAY WORK</u>	
3-28-94	-	-	-	-	-	-	
4-2-94	-	-	-	-	-	-	Building Location
4-4-94	-	-	-	-	-	-	Spud @ 11:00 AM
4-5-94	265	265	6	-	-	-	Attempt to Cmt 8 5/8"
							Csg. Failed
4-6-94	265	-	-	-	-	-	Cmt 8 5/8" Csg
4-10-94	265	-	-	-	12	-	Move on Union #17
4-11-94	265	-	-	-	-	-	Press Test BOP
4-12-94	1149	883	15 3/4	-	8 1/4	-	-
4-13-94	2375	1226	21 1/4	-	2 3/4	-	-
4-14-94	3406	1031	22 1/4	-	13/4	-	-
4-15-94	4221	815	19	-	5	-	-
4-16-94	4493	272	11 1/2	8 1/4	4 1/4	-	Trip f/Bit
4-17-94	4822	329	13	10 1/2	1	-	Pump Repair
4-18-94	5374	552	22 3/4	-	1 1/4	-	Change out Pump
4-19-94	5948	574	22	-	2	-	-
4-20-94	6450	502	19	-	5	5	Condition For Logs
4-21-94	-	-	-	-	24	24	Logging; Lay Dwn D/P

Run & Cmt 5 1/2" Csg.

Rig Released @ 6:00 AM
on April 21, 1994

TIME DISTRIBUTION SUMMARY

Rotating Hours----- 172 1/2 Hours
 Days on Location----- 11 Days
 Rig Repair----- 18 3/4 Hours
 Day Work----- 29 Hours

Mud Check

Monument Butte Federal No. 11-25

<u>DATE</u>	<u>DEPTH</u>	<u>WT</u>	<u>VIS</u>	<u>PH</u>	<u>WL</u>	<u>CAKE</u>	<u>SALT</u>	<u>KCL</u>
4-12-94	1149						1800 cfm	170 psi
4-13-94	2375						1800 cfm	150 psi
4-14-94	3406						1800 cfm	200 psi
4-15-94	4221							
4-16-94	4493	8.3	26	9.6	-	film	9500	KCL 1.9%
4-17-94	4822	8.3	26	9.4	-	film	8500	KCL 1.7%
4-18-94	5374	8.4	26	9.8	-	film	9800	KCL 2%
4-19-94	5948	8.4	26	9.8	-	film	9800	KCL 2%
4-20-94	6450	8.4	26	9.8	-	film	9500	KCL 1.9%

Mud Additives

KCL-----	50 sx	Lime-----	25 sx
Sawdust-----	3 sx	Gcl-----	12 sx
T-700 Corrosion Inhibitor-----		2 Bbl	

Bit Record



Monument Butte Federal No. 11-25

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>JETS</u>	<u>OUT</u>	<u>FEET</u>	<u>HRS.</u>	<u>WEIGHT</u>	<u>RPM</u>	<u>SPM</u>	<u>PRESS</u>	<u>DEV</u>
1	7 7/8"	HTC	ATJ-44-CA	open	4221	3955	78 1/4	40	55		Air	1°
2	7 7/8"	HTC	ATJ-44	12	6450	2229	88 1/4	40	65	48	1000	1 1/4°

Deviation Record

<u>DEPTH</u>	<u>ANGLE</u>	<u>DEPTH</u>	<u>ANGLE</u>
270	3/4°	3106	3/4°
747	1°	3600	1°
1171	1°	4400	2°
1737	1°	4891	2 1/2°
2235	3/4°	5390	1 1/2°
2590	3/4°	5902	1 1/4°

Show Report

Monument Butte Federal 11-25

NO	DEPTH	DRILL RATE, Min/Ft			TOTAL GAS Units			CHROMATOGRAPH %			
	From - To	Before	During	After	Before	Peak	After	C1	C2	C3	C4
1	1920-1950	1.4	1.0	1.2	60	540	200	6.4	-	-	-
2	2980-2990	2.2	2.7	1.8	50	2000	200	6.8	1.2	0.9	0.8
3	4520-4540	2.2	1.5	3.0	10	50	10	0.5	0.2	0.3	0.3
4	4660-4680	2.0	2.5	2.0	10	80	10	0.6	0.3	0.1	0.1
5	4746-4766	2.0	1.4	1.5	20	1200	1700	3.0	2.6	1.4	3.4
6	4840-4860	4.0	2.0	3.0	230	310	400	12.0	0.8	0.7	0.5
7	5020-5040	3.0	2.0	5.0	800	1400	1000	7.0	0.6	1.0	0.6
8	5214-5222	2.0	1.7	2.0	1200	1800	1200	12.0	0.8	0.6	0.8
9	5294-5306	2.5	1.0	2.7	1000	1800	1200	3.9	0.8	0.6	0.5
10	5400-5420	2.0	2.5	2.0	1300	1800	1300	11.0	1.0	0.8	0.5
11	5560-5580	2.0	2.0	2.0	2300	2600	2200	20.0	1.9	0.5	0.4
12	5982-5990	3.0	1.7	2.6	1800	2700	2400	18.0	3.6	1.8	1.6
13	6004-6012	2.2	1.5	2.5	2400	2800	2000	19.0	3.5	1.5	1.2
14	6040-6048	2.5	1.0	2.2	2000	2600	2000	18.0	2.8	1.5	1.7

REMARKS

1. 1920 - 1950 Sandstone - white to clear, very fine to coarse grained, angular, calcareous, many loose grains, no visible show.
2. 2980 - 2990 Limestone - buff, tan, argillaceous, petroliferous, bleeding brown oil, drills like it's fractured, oil on pits, continued to produce oil and gas after loading hole with water.
3. 4520 - 4540 Sandstone - tan, light gray, very fine grained, silty, angular, calcareous, lite to poor porosity, lite brown oil stain, yellow fluorescence, quick strong streaming cut. Oil and tar on pits.
4. 4660 - 4680 Sandstone - light gray, tan, very fine to fine grained, silty, angular, calcareous, partly clay filled, tight to poor porosity, brown oil saturation, yellow blue fluorescence, instant strong streaming cut.
5. 4746 - 4766 Sandstone - light gray, fine grained, angular, calcareous, fair porosity, brown oil saturation, yellow brown fluorescence, instant strong streaming cut, tar and oil coming over shaker.
6. 4840 - 4860 Sandstone - light gray, very fine grained, silty, angular, calcareous, poor porosity, brown oil stain, yellow fluorescence, quick strong streaming cut.
7. 5020 - 5040 Sandstone - light gray, tan, very fine grained, silty, angular, calcareous, clay filled, poor porosity, light brown oil stain, yellow fluorescence, instant strong streaming cut.

8. 5214 - 5222 Sandstone - light gray, very fine to fine grained, silty, angular, calcareous, poor to fair porosity, light brown oil saturation, bright yellow fluorescence, instant strong streaming cut, oil on pits.
9. 5294 - 5306 Sandstone - tan, clear, very fine to fine grained, angular, calcareous, poor to fair porosity, brown oil saturation, bright yellow fluorescence, instant strong streaming cut, oil and tar on pits, oil continued to come over shaker while drilling to Total Depth.
10. 5400 - 5420 Sandstone - light gray, very fine to fine grained, silty, angular, calcareous, some poor porosity, brown oil stain, yellow green fluorescence, instant strong streaming cut.
11. 5560 - 5580 Sandstone - light gray, very fine grained, silty, angular, calcareous, clay filled, poor porosity, brown oil stain, yellow fluorescence, instant strong streaming cut.
12. 5982 - 5990 Sandstone - brown, clear, very fine to medium grained, angular, calcareous, fair porosity, brown oil saturation, bright yellow fluorescence, instant bluish white streaming cut.
13. 6004 - 6012 Sandstone - as above; Show - as above.
14. 6040 - 6048 Sandstone - light gray, very fine to fine grained, silty, angular, clay filled, poor porosity, light brown oil stain, bright yellow fluorescence, instant bluish white streaming cut.

Formation Data



Monument Butte Federal 11-25

Log Tops

<u>ELEVATIONS</u>	<u>5059 GL</u>	<u>5069 K.B.</u>	<u>STRUCTURAL</u>	
<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>	<u>THICKNESS</u>	<u>RELATIONSHIP</u>
<u>TERTIARY</u>				<u>HIGH/LOW</u>
Uintah	Surface	+5059	1812	10' High
Green River	1822	+3247	882	4' Low
Horseshoe Bench	2704	+2365	1602	1' Low
2nd Garden Gulch	4306	+763	276	8' Low
Yellow 2 Sandstone	4582	+487	91	10' Low
Yellow 3 Sandstone	4673	+396	89	15' Low
Yellow 5 Sandstone	4862	+207	48	6' Low
Yellow Marker	4910	+159	170	14' Low
Douglas Creek	5080	-11	214	6' Low
Red 5 Sandstone	5294	-225	47	46' Low
2nd Douglas Creek	5341	-272	87	5' Low
Green Marker	5428	-359	228	4' Low
Green 5 Sandstone	5656	-587	278	8' High
Carbonate Marker	5934	-865	410	12' Low
Uteland Butte Limestone	6344	-1275	113+	18' Low
TOTAL DEPTH	6457'			

REFERENCE WELL : Greenwood Holdings, Inc.
Federal No. 22-25
SE1/4 25-8S-17E
(2000' SE)

Sample Descriptions

Balcron Oil
Monument Butte Federal No. 11-25
Uintah County, Utah
NWNW Section 25-T8S-R17E

Samples caught from Blooie Line. Sample quality good; 50 Foot Sample Intervals.
Samples begin at 1800' in Uintah Formation.

LOG TOP, GREEN RIVER FM. 1822' (+3247')

1800 - 1850	Shale - medium gray, blocky, hard, limey; Limestone - tan, brown, argillaceous; Sandstone - light gray, very fine grained, silty, shaley, angular, calcareous, hard, tight.
1850 - 1900	Limestone - as above; Some Sandstone and Shale - as above.
1900 - 1950	Sandstone - white to clear, very fine to coarse grained, angular, calcareous in part, many loose grains; Limestone - as above.
1950 - 2000	Marl - brown, tan, blocky, petroliferous.
2000 - 2050	Marl - as above; Few clear quartz grains, medium to coarse, angular.
2050 - 2100	No change.
2100 - 2150	Marl - light brown, blocky, petroliferous; Quartz Crystals - medium to coarse, angular to sub-rounded.
2150 - 2200	Increase in Quartz grains.

2200 - 2250	Quartz grains, clear, very fine to medium, few coarse grains; Marl - as before.
2250 - 2300	Marl - tan, brown, blocky, petroliferous; Quartz grains - as above.
2300 - 2350	Marl - tan, brown, gritty, blocky, petroliferous, (Some Quartz grains - probably caveing).
2350 - 2650	No change.
2650 - 2700	Marl - dark brown, blocky, petroliferous; Few Quartz grains - as above.

LOG TOP, HORSESHOE BENCH 2704' (2365')

2700 - 2750	No change.
2750 - 2800	Shale - dark brownish gray, hard, blocky, limey; Marl - as above.
2800 - 2850	Siltstone - light gray, limey, hard; Limestone - light gray, hard, blocky, gritty to silty, argillaceous.
2850 - 2900	As above; Shale - light gray, limey, hard; Sandstone - light gray, very fine to fine grained, angular to rounded, calcareous, mostly hard, tight, scattered poor porosity, <u>splotchy brown oil stain and yellow brown fluorescence, quick strong streaming cut.</u>
2900 - 2950	Marl - tan, brown, blocky, petroliferous.
2950 - 3000	Limestone - buff, tan, argillaceous, petroliferous; Marl - as above; <u>Brown oil stain, bleeding fluorescence, streaming cut.</u>
3000 - 3050	Marl - tan, brown, blocky, petroliferous, <u>bleeding brown live oil.</u>
3050 - 3100	Marl - dark grayish brown, blocky, very petroliferous, <u>bleeding brown oil.</u>
3100 - 3150	No change.
3150 - 3200	As above; Sandstone - tan, brown, very fine grained, silty, angular, calcareous, tight to poor porosity, <u>brown oil stain, yellow fluorescence, strong streaming cut.</u>

3200 - 3250	Marl - buff, tan, brown, blocky, petroliferous.
3250 - 3300	Limestone - tan, brown, light brownish gray, micritic, argillaceous; Marl - as before.
3300 - 3350	As above; Sandstone - tan, brown, very fine grained, silty, calcareous, angular, tight to poor porosity, <u>patchy brown oil stain and yellow fluorescence, quick streamer cut.</u>
3350 - 3400	Sandstone - white, light gray, very fine to medium grained, angular to sub-rounded, calcareous, scattered poor porosity, few loose grains, <u>spotty brown oil stain and fluorescence, quick streaming cut</u> ; Shale - medium gray, limey, silty, hard, blocky.
3400 - 3450	Siltstone - tan, light to medium gray, calcareous, shaley, hard; Sandstone - as above.
3450 - 3500	Marl - light grayish brown, tan, brown, hard, petroliferous.
3500 - 3550	Marl - light gray, buff, tan, brown, black, blocky, petroliferous.
3550 - 3600	Siltstone - light gray, limey, sandy, hard; Sandstone - light gray, very fine to fine grained, silty, angular, calcareous, hard, tight.
3600 - 3650	Siltstone - as above; some Sandstone - as above; Limestone - buff, tan, micritic, hard, silty.
3650 - 3700	Marl - buff, tan, brown, blocky, petroliferous; Limestone - buff, tan, brown, micritic, argillaceous.
3700 - 3750	No change.
3750 - 3800	Limestone - light gray, buff, tan, light brown, argillaceous, micritic, hard.
3800 - 3850	As above; Shale - medium gray, blocky, calcareous; Sandstone - light gray, very fine grained, silty, angular, calcareous, hard, tight.
3850 - 3900	Marl - brownish gray, light to dark brown, petroliferous; Limestone - as above.
3900 - 3950	As above; Sandstone - light gray, very fine grained, silty, angular, calcareous, tight.

3950 - 4000	As above; Shale - medium gray, hard, blocky, silty to sandy, calcareous.
4000 - 4050	Shale - as above; Siltstone - light gray, sandy, limey, hard.
4050 - 4100	Marl - light grayish brown, buff, tan, brown, blocky, petroliferous.
4100 - 4150	No change.
4150 - 4200	No change.
4221	(Circulate 30 Minutes) No change.

Drilling with KCL Water.

4221 - 4250	Trip Sample, Mostly Caveings; some Marl - as above.
4250 - 4300	Shale - light to medium gray, calcareous, blocky, hard, gritty to silty; some Limestone - buff, tan, micritic; Few Quartz grains - clear, fine to medium, sub-round to angular; Sandstone - light gray, very fine to medium grained, calcareous, angular to sub round, tight, <u>film of light brown oil covers samples</u> , probably from zone at 3000'.

LOG TOP, 2ND GARDEN GULCH 4306' (+763')

4300 - 4350	Limestone - buff, tan, brown, micritic, argillaceous; Sandstone and Quartz grains - as above.
4350 - 4400	Sandstone - light gray, very fine to fine grained, sub-rounded to angular, calcareous, clay filled, tight, <u>oil covered as before</u> .

Begin 20 Foot Samples at 4400'.

4400 - 4420	Limestone - buff, tan, brown, micritic, argillaceous; Marl - medium gray, dark brown, petroliferous.
4420 - 4440	Shale - light gray, calcareous, hard, blocky to fissile; some Limestone - as above.
4440 - 4460	Sandstone - light gray, very fine grained, silty, angular, calcareous, clay filled, tight; Shale and Limestone - as above.
4460 - 4480	Shale and Limestone - as above.

- 4480 - 4500 Sandstone - light gray, very fine grained, silty, angular, calcareous, clay filled, hard, tight; Shale and Limestone - as above.
- 4500 - 4520 Shale - light gray, fissile to blocky, calcareous, hard; some Limestone.
- 4520 - 4540 Sandstone - tan, light gray, very fine grained, silty, angular, calcareous, tight to poor porosity, light brown oil stain, bright yellow fluorescence, quick strong streaming cut.
- 4540 - 4560 Shale - light gray, calcareous, gritty, hard, blocky; some Sandstone - as above, mostly hard and tight, some with porosity and oil show.
- 4560 - 4580 Limestone - cream, buff, tan, brown, micritic, argillaceous; Shale - above; some Sandstone - as above.

LOG TOP, YELLOW 2 SANDSTONE 4582' (+487')

- 4580 - 4600 Shale - light gray, calcareous, fissile to blocky, hard; Siltstone - light gray, sandy, calcareous; Limestone - as above.
- 4600 - 4660 No change.

LOG TOP, YELLOW 3 SANDSTONE 4673' (+396)

- 4660 - 4680 Sandstone - light gray, tan, very fine to fine grained, silty, angular, calcareous, partly clay filled, tight to poor porosity, brown oil saturation, yellow blue fluorescence, instant strong streaming cut.
- 4680 - 4700 Marl - tan, brown, blocky, petroliferous.
- 4700 - 4720 Shale - light gray, fissile, calcareous, firm; trace of Limestone - tan, brown, micritic, argillaceous.
- 4720 - 4740 No change.
- 4740 - 4760 Sandstone - light gray, fine grained, angular, calcareous; yellow brown fluorescence, instant strong streaming cut, oil on pit; Shale - medium gray, lumpy to fissile, calcareous.
- 4760 - 4780 Shale - medium to light brownish gray, blocky to fissile, calcareous, firm, gritty.

- 4780 - 4800 Marl - brown, blocky, petroliferous; Limestone - tan, micritic, argillaceous.
- 4800 - 4820 Siltstone - light gray, sandy, calcareous; some Limestone - as above; Shale - light to medium gray, fissile to blocky, calcareous.
- 4820 - 4840 No change.
- 4840 - 4860 Sandstone - light gray, very fine grained, silty, angular, calcareous, hard, tight.

LOG TOP, YELLOW 5 SANDSTONE 4862' (+207)

- 4860 - 4880 Sandstone - poor porosity, as above, brown oil stain, yellow fluorescence, quick strong streaming cut; Shale - light gray, lumpy to blocky, calcareous, hard; Siltstone - light gray, shaley.
- 4880 - 4900 Shale - as above; Marl - brown, fissile, petroliferous, tar blobs.

LOG TOP, YELLOW MARKER 4910' (+159')

- 4900 - 4920 As above; Limestone - tan, micritic.
- 4920 - 4940 Sandstone - light gray, very fine to fine grained, silty, angular, calcareous, clay filled, tight to poor porosity, brown tar staining, faint yellow fluorescence, instant streaming cut.
- 4940 - 4960 Sandstone - as above; Limestone - tan, brown, micritic, argillaceous.
- 4960 - 4980 Sandstone - light gray, very fine to fine grained, silty, sub-angular, calcareous, clay filled, hard, tight. Shale - light gray, fissile to blocky, calcareous, hard.
- 4980 - 5000 Shale - as above; some Sandstone - as above; Siltstone - light gray, limey, sandy.
- 5000 - 5020 Siltstone and Shale - as above; some Sandstone - as above.
- 5020 - 5040 Sandstone - light gray, tan, very fine grained, silty, angular, calcareous, clay filled, tight to poor porosity, light brown oil stain, yellow fluorescence, instant strong streaming cut.

5040 - 5060 Siltstone - light gray, sandy, limey, hard; Shale - light gray, fissile to blocky, limey.

5060 - 5080 Marl - tan, brown, blocky, petroliferous; Limestone - tan, brown, micritic, argillaceous, tar blobs on sample.

LOG TOP, DOUGLAS CREEK 5080' (-11')

5080 - 5100 No change.

5100 - 5120 Siltstone - light gray, limey, sandy, hard; Shale - light gray, fissile to blocky, calcareous, hard.

5120 - 5140 As above; Limestone - buff, tan, brown, micritic, argillaceous.

5140 - 5160 Shale and Siltstone - as above.

5160 - 5180 Siltstone - light gray, sandy, calcareous; Shale - as above.

5180 - 5200 Sandstone - light gray, very fine to fine grained, silty, angular, calcareous, clay filled, mostly tight, locally poor porosity, scattered brown oil stain and yellow fluorescence, quick strong streaming cut; Shale - as above.

5200 - 5220 Sandstone - as above, poor to fair porosity, light brown oil saturation, bright yellow fluorescence, instant strong streaming cut.

5220 - 5240 Siltstone - light gray, sandy, limey, hard; Shale - light to medium gray, blocky, hard, calcareous.

5240 - 5260 No change.

5260 - 5280 No change.

LOG TOP, RED 5 SANDSTONE 5294' (-225')

5280 - 5300 Sandstone - tan, clear, very fine to fine grained, angular, calcareous, poor to fair porosity, brown oil saturation, bright yellow fluorescence, instant strong streaming cut, oil and tar coming over shaker.

5300 - 5320 Shale - light gray, light brownish gray, medium gray, lumpy to fissile, some blocky, calcareous; Marl - brown, blocky, petroliferous.

5320 - 5340 Marl - light to dark brown, blocky to fissile, petroliferous;
Limestone - buff, tan, micritic.

LOG TOP, 2ND DOUGLAS CREEK 5341' (-272')

5340 - 5360 Shale - light brownish gray, light gray, fissile to blocky, hard, calcareous; some Marl and Limestone - as above.

5360 - 5380 Sandstone - light gray, very fine grained, silty, shaley, angular, calcareous, hard, tight; Shale - light gray, calcareous, blocky to fissile, gritty to sandy.

5380 - 5400 Marl - brownish gray, grayish brown, blocky to fissile, petroliferous.

5400 - 5420 Sandstone - light gray, very fine to fine grained, silty, angular, calcareous, mostly hard, tight, some has poor porosity, brown oil stain, yellow green fluorescence, instant strong steaming cut; Shale - light gray, fissile to blocky, calcareous, hard.

LOG TOP, GREEN MARKER 5428' (-359')

5420 - 5440 Sandstone - as above; some Shale - as above.

5440 - 5460 Shale - as above; trace of Sandstone - as above.

5460 - 5480 Siltstone - light gray, limey, shaley; Shale - as above.

5480 - 5500 As above; some Shale - black, fissile, petroliferous.

5500 - 5520 Shale - grayish brown, fissile to blocky, calcareous, hard, gritty to silty.

5520 - 5540 No change.

LOG TOP, GREEN 5 SANDSTONE 5656' (-587')

5540 - 5560 Shale - as above; Sandstone - light gray, very fine grained, angular, calcareous, hard, tight.

5560 - 5580 Sandstone - light gray, very fine grained, silty, angular, calcareous, clay filled, poor porosity, brown oil stain, yellow fluorescence, instant strong steaming cut; some Shale - as above; Marl - tan, brown, blocky, petroliferous.

5580 - 5600	Shale - light gray, blocky to fissile, calcareous, hard; Marl - as above.
5600 - 5620	As above; Siltstone - light gray, limey.
5620 - 5640	Marl - dark brown, black, petroliferous, blocky.
5640 - 5660	No change.
5660 - 5680	No change.
5680 - 5700	Shale - medium brownish gray, blocky to lumpy, calcareous; some Marl - as above; Limestone - tan, brown, micritic.
5700 - 5720	Marl - tan, brown, blocky, petroliferous; Shale - light gray, calcareous, fissile.
5720 - 5740	Shale - dark brown, black, calcareous, fissile, petroliferous; Shale - light to medium gray, lumpy to fissile, calcareous.
5740 - 5760	Marl - light gray, dark brownish gray, blocky to fissile, petroliferous.
5760 - 5780	Marl - tan, light gray, blocky to lumpy, firm.
5780 - 5800	Marl - tan, brown, medium gray, hard, blocky to fissile, petroliferous.
5800 - 5820	As above; Limestone - light gray, micritic, argillaceous.
5820 - 5840	Limestone - buff, tan, brown, micritic, argillaceous; Marl - dark brown, petroliferous; Shale - light gray, fissile to blocky, calcareous.
5840 - 5860	Shale - light gray, calcareous, blocky to lumpy, gritty to silty; Marl - as above.
5860 - 5880	No change.
5880 - 5900	Shale - as above; Marl - tan, brown, dark brown, petroliferous.
5900 - 5920	Marl - dark grayish brown, black, fissile to lumpy, petroliferous.

LOG TOP, CARBONATE MARKER 5934' (-865')

5920 - 5940	No change.
5940 - 5960	No change.
5960 - 5980	Siltstone - light gray, calcareous, sandy; Shale - light gray, fissile, calcareous; Sandstone - light gray, tan, very fine to fine grained, silty, angular, calcareous, poor porosity, <u>brown oil stain, bright yellow fluorescence, instant strong streaming cut.</u>
5980 - 6000	Sandstone - brown, clear, very fine to medium grained, angular, calcareous, fair porosity, <u>brown oil saturation, yellow fluorescence, instant strong streaming cut;</u> Siltstone - as above.
6000 - 6020	Sandstone - as above, very fine to fine grained, porosity and show - as above.
6020 - 6040	Sandstone - light gray, very fine to fine grained, silty, angular, clay filled, calcareous, tight to poor porosity, <u>light brown oil stain in porous portion, bright yellow fluorescence, instant strong streaming cut.</u>
6040 - 6060	Sandstone - light gray, very fine to fine grained, silty, angular, clay filled, poor to fair porosity, <u>bright yellow fluorescence, faint brown oil stain, instant strong streaming cut.</u>
6060 - 6080	Sandstone - as above; Shale - light to medium gray, calcareous, blocky to fissile.
6080 - 6100	Marl - brown, dark grayish brown, black, blocky, petroliferous.
6100 - 6120	Sandstone - white, very fine to fine grained, mostly loose grains, angular to sub-rounded, calcareous, some clay, scattered bright yellow fluorescence, no other visible show.
6120 - 6140	Sandstone - as above becoming shaley and silty; Marl - light gray, brown, blocky, petroliferous.
6140 - 6160	Shale - light to medium gray, blocky to fissile, calcareous; Marl - as above.
6160 - 6180	Siltstone - light gray, limey; Shale - as above.
6180 - 6200	Marl - medium grayish brown, tan, brown, blocky to fissile, petroliferous; shale and Siltstone - as above.

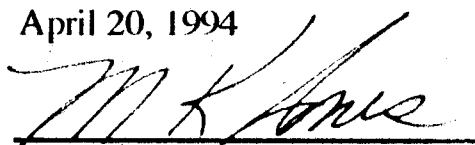
6200 - 6220	Marl - gray, brown, black, blocky, petroliferous.
6220 - 6240	Shale - light gray, brownish gray, fissile to blocky, calcareous, hard; Marl - as above.
6240 - 6260	Marl - as above; some Shale - as above.
6260 - 6280	As above; Sandstone - white, light gray, very fine to fine grained, silty, angular, calcareous, hard, tight.
6280 - 6300	Shale - as above; some Sandstone - as above; Marl - tan, dark brown, blocky to fissile, petroliferous.
6300 - 6320	Marl - as above; some Shale - light to medium gray, fissile, calcareous.
6320 - 6340	Shale - as above; some Marl.

LOG TOP, UTELAND BUTTE LIMESTONE 6344' (-1275')

6340 - 6360	Limestone - dark brown, grayish brown, blocky to fissile, petroliferous, shaley, grades to limey shale.
6360 - 6380	As above; some Limestone - cream, tan, micritic.
6380 - 6400	No change.
6400 - 6450	No change.

Driller's Total Depth 6450'
 Logger's Total Depth 6457'

April 20, 1994



M.K. Jones
 Petroleum Geologist

Discovery Energy Inc.



1440 GRAND AVENUE, 59102 (406) 256-2395
P.O. BOX 21194
BILLINGS, MONTANA 59104

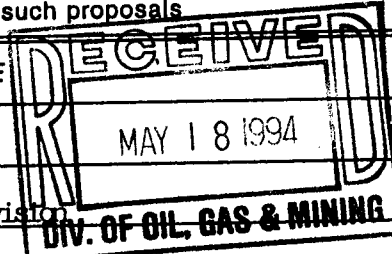
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE



1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104

(259-7860)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 25, T8S, R17E

738.6' FNL, 648.2' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcon Monument Federal #11-25

9. API Well No.

43-013-32455

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Report of First Production

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

First production on this well was on 5-13-94 at 3:30 p.m.

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Signed Gabriel Schuman

Title Regulatory and Environmental Specialist

Date 5-16-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

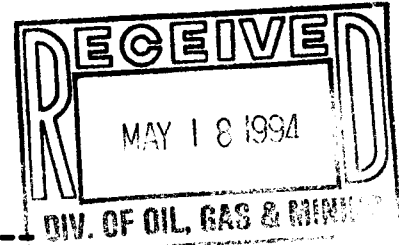
Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

DAILY OPERATING REPORT



BALCRON MONUMENT FEDERAL #11-25

Location: NW NW Section 25, T8S, R17E
Uintah County, Utah

738.6' FNL, 648.2' FWL

PTD: 6800' Formation: Green River

Monument Butte Field

Elevations: 5059.59'GL

Contractor: Union Drilling Rig #17 (10'KB)

Operator: Balcron/EREC

Spud: 4-4-94 @ 11 a.m.

Casing: 8-5/8", 24#, J-55 @ 266'KB.

5-1/2", 15.5#, K-55 @ 6438.74'KB

Tubing: 2-7/8", 6.5#, J-55 @ 6087.99'KB

3-28-94 Move cat to location.

3-29/4-2-94 Work on location & pit.

4-4-94 Work on pit. Move Leon Ross Drilling on & spud @ 11:00 a.m..
Drill to 265'.

4-5-94 Run 6 jts csg, Western cmt'd pump truck up, had to pull csg & lay
1 jt down.
DC: \$16,678 CC: \$16,678

4-6-94 Ran 6 jts 8-5/8" csg as follows:

Guide Shoe .60'

One jt 8-5/8" 24# Shoe jt 43.05'

Insert Float -----

5 jts 8-5/8" 24# J-55 csg 214.79'

258.44'

Csg set @ 256'GL

Union Drilling KB (10') 266'KB

Cement by Western w/150 sxs Class "G" + 2% CCL & 1/4#/sx
Celoflakes. 8 to 10 bbls cmt back to pit. Plug down 11 a.m. 4-6-
94.

4-8-94 Install liner.

4-9-94 Install surface head.

4-10-94 MIRU, "very muddy". NU BOP, did not break tower.
DC: \$4,760 CC: \$21,438

4-12-94 TD: 1,149' (883') Day 1
Formation: Uintah

MW 8.3 VIS 26

Present Operation: Drilling

Test BOP & manifold to 2000# - OK. Test csg to 1500# - would not
test. Run cup packer & test to 1500# - OK. PU collars & drill
plug & cmt, survey & drill ahead. Clean on rig.

DC: \$13,133

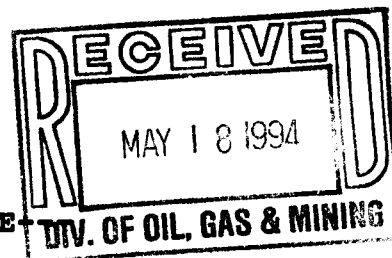
CC: \$34,571

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #11-25

Location: NW NW Section 25, T8S, R17E
Uintah County, Utah

---TIGHT HOLE---



4-13-94 TD: 2,375' (1,226') Day 2
Formation: Green River
MW 8.3 VIS 26 pH 9.5
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$16,378 CC: \$50,949

4-14-94 TD: 3,406' (1,031') Day 3
Formation: Green River
MW 8.3 VIS 26 pH 9.6
Present Operation: Drilling
Drill, survey, & clean on rig. A lot of Shale & gas.
DC: \$14,093 CC: \$65,042

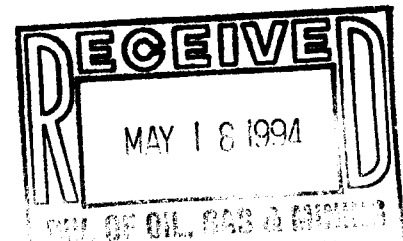
4-15-94 TD: 4,221' (815') Day 4
Formation: Green River
MW 8.3 VIS 26 pH 9.6
Present Operation: TOOH.
Drill, survey, clean on rig, circ hole w/fluid, & start TOH.
DC: \$22,558 CC: \$87,600

4-16-94 TD: 4,493' (272') Day 5
Formation: Yellow Zone
MW 8.3 VIS 26 pH 9.6
Present Operation: Work on mud pump.
Trip for bit #2. Repair cat head, drill, survey, work on mud pump.
Pull 20 stds, WO pump parts.
DC: \$5,155 CC: \$92,755

4-17-94 TD: 4,822' (329') Day 6
Formation: Yellow Zone
MW 8.3 VIS 26 pH 9.6
Present Operation: Drilling
WO mud pump. Swap out pumps, TIH w/20 stds drill pipe & drill.
Good oil & gas shows through the Yellow Zone.
DC: \$5,599 CC: \$98,354

4-18-94 TD: 5,374' (552') Day 7
Formation: Green Zone
MW 8.4 VIS 26 pH 9.4
Present Operation: Drilling
Drill, survey, & clean on rig. More oil & gas shows.
DC: \$9,092 CC: \$107,446

DAILY OPERATING REPORT



BALCRON MONUMENT FEDERAL #11-25

Location: NW NW Section 25, T8S, R17E
Uintah County, Utah

---TIGHT HOLE---

4-19-94 TD: 5,948' (574') Day 8
Formation: Blue Zone
MW 8.4 VIS 26 pH 9.8
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$8,576 CC: \$116,022

4-20-94 TD: 6,450' (502') Day 9
Formation: Green River
MW 8.4 VIS 26 pH 9.8
Present Operation: TOOH.
Drill, survey, circ for logs, TOOH for logs.
DC: \$8,752 CC: \$124,774

4-21-94 TD: 6,450' (0') Day 10
Formation: Green River
Present Operation: RDMO.
Finish TOOH. RU Schlumberger & log well. TIH & LD drill pipe & collars. Test 5-1/2" pipe rams to 2000000#. Run 5-1/2" csg & cmt as follows:

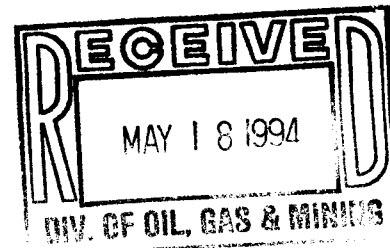
Guide Shoe	.60'
1 jt 5-1/2" 15.5# shoe jt	44.77'
Float Collar	-----
146 jts 5-1/2" 15.5# K-55	6383.37'
	6429.74'
Landing Jt	9.00'
Csg set @	6438.74'
PBTD	6392.37'

20 centralizers
Cmt by Western w/200 sxs Thrifty-Lite & tail w/400 sxs 50-50 POZ.
Plug down @ 1:30 a.m. on 4-21-94. Set slips, ND, clean mud tanks, & rig down. Rig released @ 5:30 a.m. 4-21-94.
DC: \$73,446 CC: \$198,220

4-23-94 Completion
Spot tanks & pump. MIRU Cannon Well Service Rig #2. NU 5M tbg head, NU BOP. PU & tally in hole w/4-3/4" bit, 5-1/2" csg scraper, & 205 jts 2-7/8" EUE tbg. Tag PBTD @ 6390'KB. Circ hole clean w/140 bbls 2% KCL wtr. Pull & LD 10 jts 2-7/8" tbg. SWIFN.
DC: \$23,792 CC: \$222,012

4-25-94 Completion
Continue out of hole w/tbg & tools. RU Cutter Wireline to run CBL & perf 6009'-16'. Log from PBTD to 100' above cmt top @ 1292'KB. Well was logged w/1000 psi on csg. Perf 6009'-16'KB. RD Cutter. SWIFD.
DC: \$5,672 CC: \$227,684

DAILY OPERATING REPORT



BALCRON MONUMENT FEDERAL #11-25

Location: NW NW Section 25, T8S, R17E
Uintah County, Utah

---TIGHT HOLE---

4-26-94 Completion

TIH w/RBP, retrieving head, 2-7/8" x 4' sub, SN & 194 jts 2-7/8" tbg, set BP @ 6052'KB, EOT @ 5986'KB. RU Western to do HCL breakdown on 6009'-16' w/500 gallons 15% HCL. Avg Pressure = 2800 psi, max = 5000 psi. Avg Rate = 4.3 BPM, max = 4.6 BPM. ISIP = 1300 psi (see treatment report). TOOH w/tbg & retrieving head. RU Western to frac 6009'-16' w/9400# 20/40 mesh sand & 9500# 16/30 mesh sand in 13,263 gallons 2% KCL wtr. Avg Pressure = 2000 psi, max = 2300 psi. Avg Rate = 24.8 BPM, max = 25 BPM. ISIP = 1800#, 5 min 1720 psi, 10 min 1590 psi, & 15 min 1550 psi (see treatment report). RD Western. SWIFD.
DC: \$22,699 CC: \$250,383

4-27-94 Completion

CP - 525 psi. TIH w/retrieving tool, 2-7/8" x 4' sub, HD packer, SN & 191 jts 2-7/8" tbg. Tag sand @ 5995', circ dow to 6053'. Set packer @ 5987'. Made 25 swab runs, recovered 150 BW, trace oil. Fluid level stable @ 3900' on last 3 runs, no sand on last 3 runs. Release packer, tag sand @ 6020', circ down to BP, release BP, try to set BP @ 5374', would no set. TOOH w/tbg & tools. SWIFN.
DC: \$4,259 CC: \$254,642

4-28-94 Completion

CP - 25 psi. Fluid level 25' from surface. RU Cutter Wireline to perf 5298'-5311'KB. Hot oil csg to get perf gun down hole. RD Cutter Wireline. TIH w/RBP, retrieving head, 2-7/8" x 4' sub, SN & 172 jts 2-7/8" tbg. Set BP @ 5374'KB, EOT @ 5235'KB. SWIFN
DC: \$3,822 CC: \$258,464

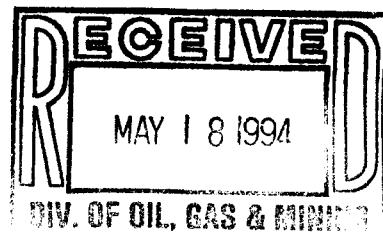
4-30-94 Completion

CP - vac. TIH w/retrieving head, 2-7/8" x 4' sub, HD packer, SN & 165 jts tbg. Tag sand @ 5131'KB, circ down to 5374'KB. Set packer @ 5245'. Made 20 swab runs, recover 120 BW, trace oil. Last 3 runs, fluid level stable @ 2700'. Release packer, tag sand @ 5325', circ down to 5374', release BP. Reset BP @ 4813'KB. TOOH w/tbg & packer. SWIFD.
DC: \$3,246 CC: \$261,710

5-2-94 Completion

BP @ 4813'KB. RU Cutter Wireline to perf 4757'-60'. RD Cutter. TIH w/retrieving head, 2-7/8" x 4' sub, SN & 152 jts 2-7/8" tbg. EOT @ 4735'. SWIFD.
DC: \$1,924 CC: \$263,634

DAILY OPERATING REPORT



BALCRON MONUMENT FEDERAL #11-25

Location: NW NW Section 25, T8S, R17E

Uintah County, Utah

---TIGHT HOLE---

5-3-94 Completion

CP 5 psi. RU Western to break down 4757'-60'. Break down by Western w/1512 gallons 2% KCL water. Avg Treating Pressure (ATP) = 4250 psi, max 4410 psi. Avg Treating Rate (ATR) - 4.3 BPM, max 4.4 BPM. ISIP = 2600 psi refer to treatment report attached. TOOH w/tbg. RU Western to frac 4757'-60' w/13,700# 16/30 mesh sand w/11,638 gallons 2% KCL gelled wtr. ATP 3700 psi, max 3890 psi. ATR 24.9 BPM, max 25.6 BPM. ISIP 3200 spi, 5 min 2250 psi, 10 min 2150 psi, 15 min 1980 psi refer to treatment report attached. SWIFD.

DC: \$19,202

CC: \$282,566

5-4-94 Completion

CP - 550 psi. TIH w/retrieving tool, 2-7/8" x 4' sub, HD packer, SN & 151 jts 2-7/8" tbg. Tag sand @ 4705'KB. Circ down to 4813'KB. Set packer @ 4735'KB. Made 25 swab runs, recovered 190 BW, flow & swab, trace of oil, gas-cut. Last 5 run, fluid level stable @ 3300' - no sand. Release packer, tag sand @ 4770'KB. Circ down to BP @ 4813'KB, release BP. TOOH w/tbg & tools. SWIFN.

DC: \$2,033

CC: \$284,599

5-4-94 Completion

CP - 70 psi. TIH w/tbg production string as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 jt 2-7/8" EUE J-55 8RD 6.5#	31.35'	6087.99'
1 Perf Sub 2-7/8" x 3'	3.20'	6056.64'
1 Seat Nipple	1.10'	6053.44'
42 jts 2-7/8" EUE J-55 8RD 6.#	1313.56'	6052.34'
1 Tbg Anchor set w/24" tension	2.35'	4738.78'
152 jts 2-7/8" EUE J-55 8RD 6.5#	4726.43'	4736.43'
Union Drilling KB	10.00'	

ND BOP, ND 5M wellhead, NU 3M wellhead. Set tbg anchor w/24" tension. TIH w/rod production string as follows:

1 BHP 2-1/2"x1-1/2"x16' RWAC w/PA plunger
241 - 3/4" x 25' Plain Rods D-61
1 - 3/4" x 8' Pony
1 - 3/4" x 6' Pony
1 - 1-1/4" x 16' Polish Rod

Pressure test tbg & BHP to 1000 psi - OK. RDMO.

DC: \$10,284

CC: \$294,883

5-13-94 Completion

Started pumping @ 3:30 p.m. on 5-13-94.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 25, T8S, R17E 738.6' ENL, 648.2' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Federal #11-25

9. API Well No.

43-083-32455

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

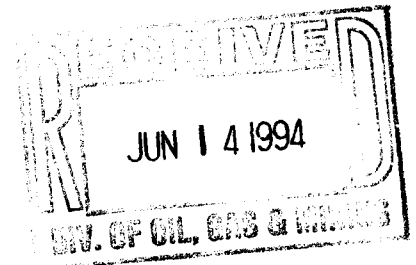
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Onshore Order #17
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**



14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Regulatory and
Title Environmental Specialist

Date 6-13-94

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

UTAH DIVISION OF OIL, GAS AND MINING
EQUIPMENT INVENTORY

Operator: Equitable Res. Lease: State: Federal: ☒ Indian: Fee:

Well Name: BMF 11-25 API Number: 43-047-32455

Section: 25 Township: 4S Range: 17E County: Utah Field: Undesignated

Well Status: POW Well Type: Oil: ☒ Gas:

PRODUCTION LEASE EQUIPMENT: ☒ CENTRAL BATTERY:

☒ Well head Boiler(s) Compressor Separator(s)
☐ Dehydrator(s) Shed(s) Line Heater(s) Heated Separator
☐ VRU Heater Treater(s)

PUMPS: Triplex Chemical 1 Centrifugal

LIFT METHOD: ☒ Pumpjack Hydraulic Submersible Flowing

GAS EQUIPMENT:

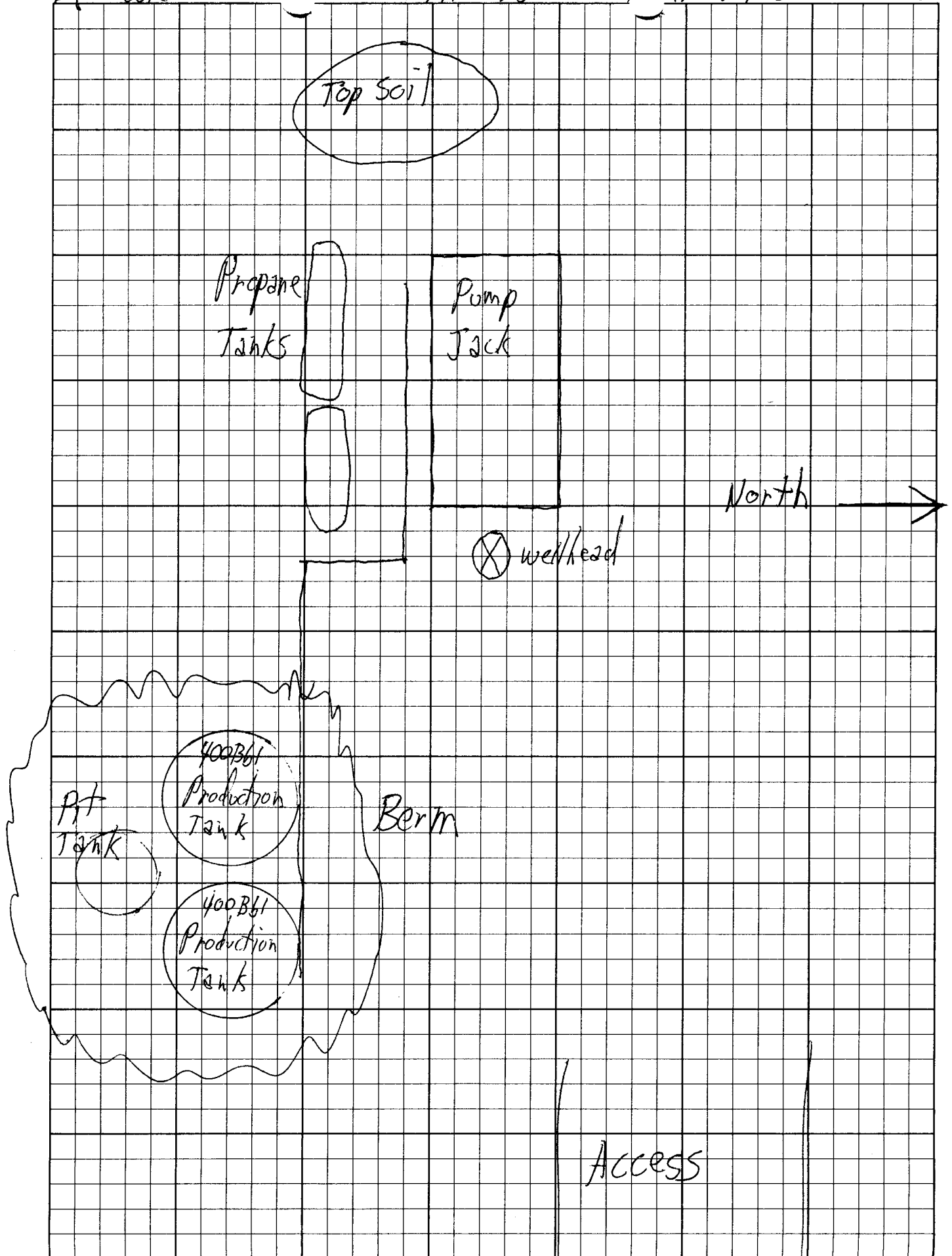
0 Gas Meters Purchase Meter Sales Meter

TANKS:	NUMBER	SIZE
<u>2</u> Oil Storage Tank(s)	<u>with burners</u>	<u>400</u> BBLS
<u>1</u> Water Tank(s)	<u>subsurface pit tank</u>	<u> </u> BBLS
<u> </u> Power Water Tank	<u> </u>	<u> </u> BBLS
<u> </u> Condensate Tank(s)	<u> </u>	<u> </u> BBLS
<u> </u> Propane Tank	<u> </u>	<u> </u>

REMARKS: Reserve pit has been reclaimed

Location central battery: Qtr/Qtr: Section: Township: Range:

Inspector: David W. Haeffner Date: 7/14/94



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW NW Section 25, T8S, R17E 738.6' FNL, 648.2' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Federal #11-25

9. API Well No.

43-013-32455

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Uintah County Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

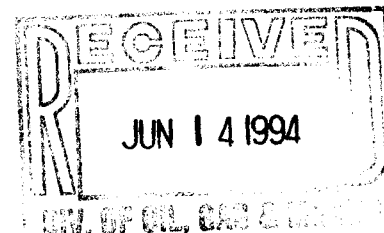
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Site Security Diagram

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached is the Site Security Diagram for this well.



14. I hereby certify that the foregoing is true and correct

Regulatory and

Signed

Bobbie Schuman

Title

Environmental Specialist

Date 6-13-94

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Equitable Resources Energy Company Balcron Monument Federal 11-25 Production Facility Diagram

Balcron Monument Federal 11-25
NW NW Sec. 25, T8S, R17E
Uintah County, Utah
Federal Lease #U-67845
739' FNL, 648' FWL

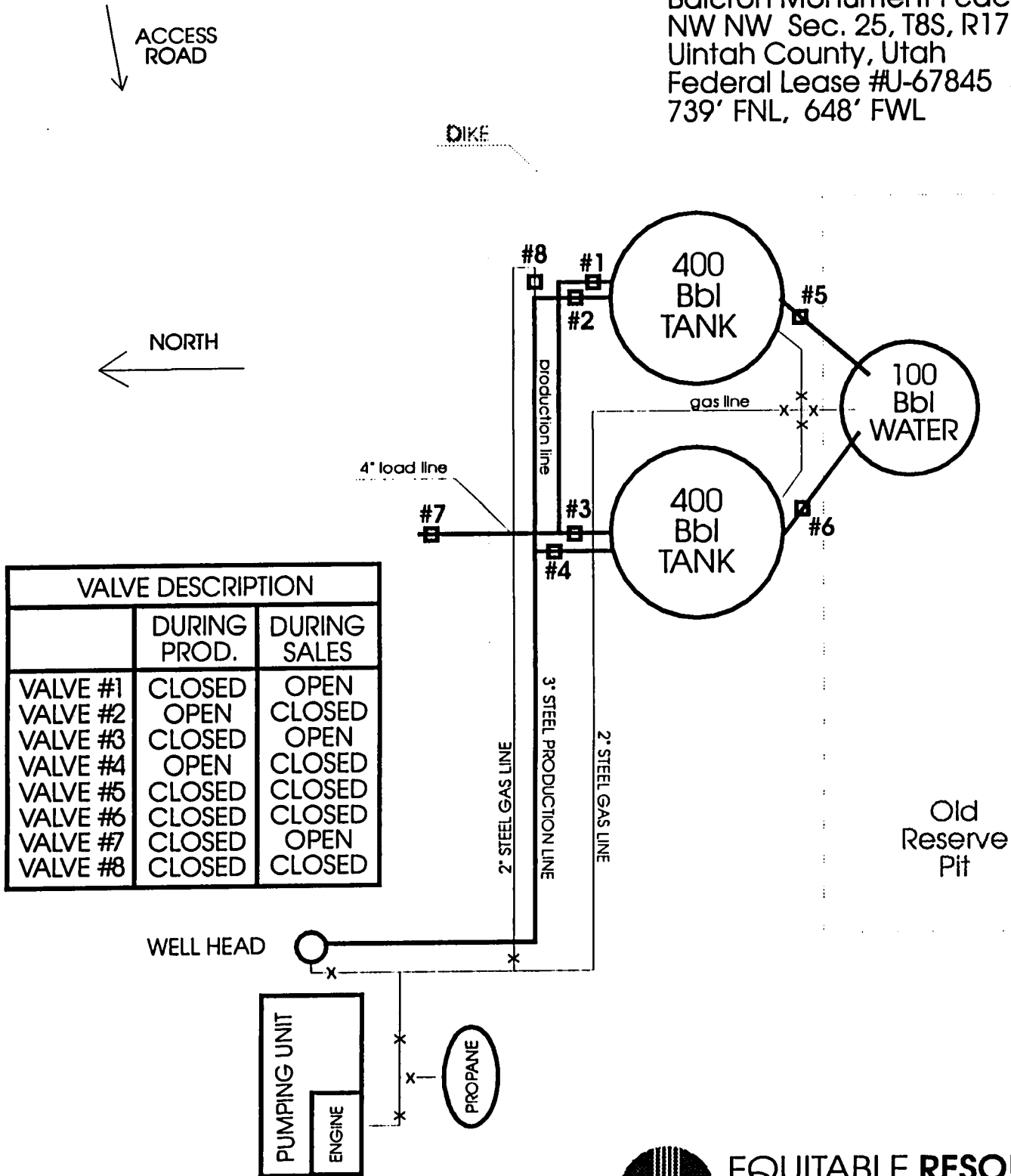


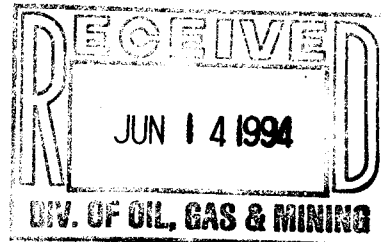
DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860



REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

1. Well name and number: Balcron Monument Federal #11-25
API number: 43-013-32455
2. Well location: QQ NW NW section 25 township 8S range 17E county Uintah
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division
Address: P.O. Box 21017 phone: (406) 259-7860
Billings, MT 59104
4. Drilling contractor: Union Drilling
Address: Drawer 40 phone: (304) 472-4610
Buckhannon, WV 26201

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water encountered	
		during drilling operations.	

6. Formation tops: See Geological Report submitted separately.
- _____
- _____
- _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman
Title Regulatory and Environmental Specialist

Signature Bobbie Schuman
Date 6-13-94

Comments:

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

See other In-
structions on
reverse side)

Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ☐

3. NAME OF OPERATOR
Equitable Resources Energy Company, Balcones Division

4. ADDRESS OF OPERATOR
P.O. Box 21017, Billings, MT 59104

5. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)
At surface 738.6' FNL, 648.2' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-047-32455
DATE ISSUED 12-20-93

15. DATE SPUDDED 4-4-94
16. DATE T.D. REACHED 4-20-94
17. DATE COMPL. (Ready to prod.) 5-13-94
18. ELEVATIONS (OF, RKB, RT, OR, ETC.)* 5059.59' GL, 5069.59' KB
19. ELEV. CASINGHEAD n/a
20. TOTAL DEPTH, MD & TVD 6450'
21. FLUD. BACK T.D., MD & TVD 6392.37'
22. IF MULTIPLE COMPL., HOW MANY? n/a
23. INTERVAL DRILLED BY Sfc - TD
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4757' - 6016' Green River
25. WAS WELL CORED No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL MSFL LDT CNL GR MUD LOG

28. CARING RECORD (Report all strings set in well)
CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) CEMENTING RECORD AMOUNT PULLED
8-5/8" 24# 266' KB 12-1/4" 150 sxs "G" + additives n/a
5-1/2" 36# 6438' .74' KB 7-7/8" 200 sxs Thrifty-Lite and n/a
400 sxs 50-50 ROZ.

29. LINER RECORD
SIZE TOP (MD) BOTTOM (MD) BACKS CEMENT* SCREEN (MD)
n/a
30. TUBING RECORD
SIZE DEPTH SET (MD) PACKER SET (MD)
2-7/8" 6087.99' n/a

31. PERFORATION RECORD (Interval, size and number)
6009' - 6016' (4 SPF)
5298' - 5311' (4 SPF)
4757' - 4760' (4 SPF)
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
Please see attached.

33. PRODUCTION
DATE FIRST PRODUCTION 5-13-94
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump
WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 5-22-94
HOURS TESTED 24
CHOKED SIZE n/a
PROD'N. FOR TEST PERIOD 109
OIL—BSL. 109
GAS—MCF. N.M.
WATER—BSL. 7
OIL GRAVITY-API (CORR.) 34 deg.
FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 109
OIL—BSL. 109
GAS—MCF. N.M.
WATER—BSL. 7
OIL GRAVITY-API (CORR.) 34 deg.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel.
TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Robbie Schuman TITLE Regulatory and Environmental Specialist DATE 6-13-94

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

June 13, 1994

Balcron Monument Federal #11-25
NW NW Section 25, T8S, R17E
Uintah County, Utah

Acid Breakdown Information:

6009' - 6016' KB 500 gallons 15% HCL.

4757' - 4760' KB 1512 gallons 2% KCL wtr.

Fracture Information:

6009' - 6016' KB: 9400# 20/40 mesh sand and 9500#
16/30 mesh sand in 13,263 gallons 2%
KCL gelled water.

4757' - 4760' KB: 13,700# 16/30 mesh sand w/11,638
gallons 2% KCL gelled water.

/mc



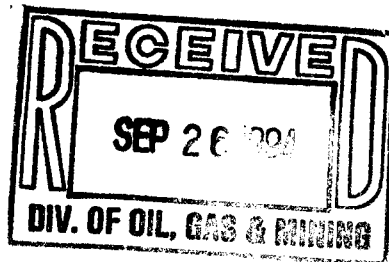
EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☐

September 23, 1994



Vicky Carney
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Vicky:

RE: Balcron Monument Federal #11-25
NW NW Section 25, T8S, R17E
Uintah County, Utah

Per your letter of July 12, 1994, enclosed are the DLL, MSFL, LDT and CNL logs for the subject well. Schlumberger claim that they also sent a set to you in August of 1994.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly M. Conrad
Operations Secretary

/mc

Enclosures

CONFIDENTIAL



**EQUITABLE RESOURCES
ENERGY COMPANY**

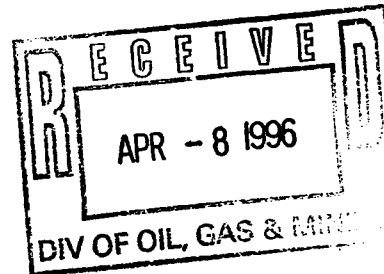
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See attached listing

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See attached listing

8. Well Name and Number:

See attached listing

9. API Well Number:

See attached listing

10. Field and Pool, or Wildcat:

See attached listing

County: See attached list

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.

Name & Signature:

Bobbie Schuman
Bobbie Schuman

Regulatory and
Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	DEPT 58-FILE
3	VLD (GTL) 28
4	RJE
5	LEP
6	FLM

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ~~Operator Name Change Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY C</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <u>**SEE ATTACHED**</u>	API: <u>047-32455</u>	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Schen Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

- VDR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/6/04/10 BLM/BIA "Formal approval not necessary"

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 7 of 11

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 3 / 96AMENDED REPORT ☐ (Highlight Changes)

Well Name						Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location							OIL(BBL)	GAS(MCF)	WATER(BBL)
✓COYOTE FEDERAL 21-5						GRRV					
4304732260	11500	08S	25E	5							
✓COYOTE FEDERAL 13-5						GRRV					
4304732261	11500	08S	25E	5							
✓FEDERAL 22-10Y						GRRV					
4301331395	11501	09S	17E	10							
✓FEDERAL 41-21Y						GRRV					
4301331392	11505	09S	16E	21							
✓FEDERAL 44-14Y						GRRV					
4304732438	11506	09S	17E	14							
✓FEDERAL 21-13Y						GRRV					
91331400	11510	09S	16E	13							
✓FEDERAL 21-9Y						GRRV					
4301331396	11513	09S	16E	9							
✓FEDERAL 21-25Y						GRRV					
4301331394	11530	09S	16E	25							
✓MONUMENT FEDERAL 11-25						GRRV					
4304732455	11625	08S	17E	25							
✓ALLEN FEDERAL 31-6G						GRRV					
4301331442	11642	09S	17E	6							
✓BALCRON FEDERAL 41-19Y						GRRV					
4304732504	11651	09S	18E	19							
✓BALCRON MONUMENT STATE 14-2						GRRV					
4301331425	11656	09S	17E	2							
✓FEDERAL 44-4Y						GRRV					
4301331452	11679	09S	17E	4							
TOTALS											

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: March 1, 1996

Name and Signature: _____

Telephone Number: _____

UTAH - ALL

Balcron Coyote Fed. #42-6X	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	OSI	Green River	U-017439-B	43-047-32346	1987' FNL, 682' FEL	Vernal	Coyote Basin
Balcron Coyote Fed. #44-6	Coyote Basin	SE SE	6	8S	25E	Uintah	UT	PND	Green River	U-017439B	43-047-32421	560' FSL, 760' FEL	Vernal	Coyote Basin
Balcron Federal #12-20Y	8 Mile Flat N.	SW NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32617	1980' FNL, 660' FWL	Vernal	
Balcron Federal #12-22Y	8 Mile Flat N.	SW NW	22	8S	17E	Duchense	UT	Oil	Green River	U-66191	43-013-31476	2105' FNL, 660' FWL	Vernal/Priv.sfc.	
Balcron Federal #21-13Y	Monument Butte	NE NW	13	9S	16E	Duchesne	UT	Oil	Green River	U-64805	43-013-31400	703' FNL, 1831' FWL	Vernal	
Balcron Federal #21-25Y	Monument Butte	NE NW	25	9S	16E	Duchesne	UT	Oil	Green River	U-64380	43-013-31994	500' FNL, 1980' FWL	Vernal	
Balcron Federal #21-9Y	Monument Butte	NE NW	9	9S	16E	Duchesne	UT	Oil	Green River	U-65207	43-013-31396	476' FNL, 2051' FWL	Vernal	
Balcron Federal #22-10Y	Monument Butte	SE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31395	1980' FNL, 1980' FWL	Vernal	
Balcron Federal #24-3Y	Monument Butte	SE SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31397	562' FSL, 1887' FWL	Vernal	
Balcron Federal #31-14Y	Undesignated	NW NE	14	9S	19E	Uintah	UT	PND	WASATCH	U-66193		500' FNL, 2740' FWL	Vernal/Priv.sfc.	
Balcron Federal #31-19Y	8 Mile Flat N.	NW NE	19	9S	18E	Duchesne	UT	Oil	Green River	U-65635	43-047-32614	660' FNL, 1880' FEL	Vernal	
Balcron Federal #31-5Y	8 Mile Flat N.	NW NE	5	9S	18E	Uintah	UT	Oil	Green River	U-65970	43-047-32503	660' FNL, 1980' FEL	Vernal	
Balcron Federal #32-19Y	8 Mile Flat N.	SW NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32615	1980' FNL, 1980' FEL	Vernal	
Balcron Federal #41-19Y	Monument Butte	NE NE	19	9S	17E	Duchesne	UT	Oil	Green River	U-65967	43-047-32504	660' FSL, 660' FEL	Vernal	
Balcron Federal #41-21Y	Monument Butte	NE NE	21	9S	16E	Duchesne	UT	Oil	Green River	U-64379	43-013-31392	970' FNL, 894' FEL	Vernal	
Balcron Federal #42-19Y	8 Mile Flat N.	SE NE	19	9S	18E	Uintah	UT	Oil	Green River	U-65635	43-047-32616	2100' FNL, 500' FEL	Vernal	
Balcron Federal #44-14Y	Monument Butte	SE SE	14	9S	17E	Uintah	UT	Oil	Green River	U-64806	43-047-32438	1008' FSL, 832' FEL	Vernal	
Balcron Federal #44-4Y	8 Mile Flat N.	SE SE	4	9S	17E	Duchesne	UT	Oil	Green River	U-65635	43-013-31452	660' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #11-10-9-17Y		NW NW	10	9S	17E	Duchesne	UT	PND	Green River				Vernal	
Balcron Monument Fed. #11-20-9-18Y	Monument Butte	NW NW	20	9S	18E	Uintah	UT	OIL	Green River	U-64917	43-047-32712	500' FNL, 500' FWL	Vernal	
Balcron Monument Fed. #11-22-8-17Y	Monument Butte	NW NW	22	8S	17E	Duchesne	UT	OIL	Green River	U-66191	43-013-31539	635' FNL, 658' FWL	Vernal	
Balcron Monument Fed. #11-25	Monument Butte	NW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32455	739' FNL, 648' FWL	Vernal	
Balcron Monument Fed. #11-6	Monument Butte	NW NW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31362	804' FNL, 696' FWL	Vernal	Jonah
Balcron Monument Fed. #11-7J	Monument Butte	NW NW	7	9S	17E	Duchesne	UT	COMPL-WIW	Green River	U-44426	43-013-31492	681' FNL, 447' FWL	Vernal	Jonah
Balcron Monument Fed. #12-10-9-17Y	Monument Butte	SW NW	10	9S	17E	Duchesne	UT	COMPL	Green River	U-65210	43-013-31536	1994' FNL, 618' FWL	Vernal	
Balcron Monument Fed. #12-11J	Monument Butte	SW NW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31417	2128' FNL, 689' FWL	Vernal	Jonah
Balcron Monument Fed. #12-12J	Monument Butte	SW NW	12	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31410	739' FNL, 648' FWL	Vernal	Jonah
Balcron Monument Fed. #12-14J	Monument Butte	SW NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31488	2004' FNL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #12-25	Undesignated	SW NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32526	1486' FNL, 875.7' FWL	Vernal	
Balcron Monument Fed. #12-7J	Monument Butte	SW NW	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-31493	1965' FNL, 620' FWL	Vernal	Jonah
Balcron Monument Fed. #13-11J	Monument Butte	NW SW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096547	43-013-15790	1819' FSL, 658' FWL	Vernal	Jonah
Balcron Monument Fed. #13-5	Monument Butte	NW SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31370	1980' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
Balcron Monument Fed. #14-11	Monument Butte	SW SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31374	1048' FSL, 446' FWL	Vernal	Jonah

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:

Chris A. Potter

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ HENDEL FEDERAL #1-17	NENW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30059-00	UTU017991	
✓ HENDEL FEDERAL #3-17	SWNW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30074-00	UTU017991	
PARIETTE BENCH #4 (SWD)	SWSE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15681-00	UTU017992	8910069630
✓ PARIETTE BENCH FEDER #14-5	SWSW 5 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31123-00	UTU017992	
✓ PARIETTE BENCH FEDER #41-7	NENE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31584-00		8910069630
✓ PARIETTE BENCH FEDER #32-6	SWNE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31554-00	UTU50385	
✓ PARIETTE BENCH FEDER #43-6	NESE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31616-00	UTU017992	
✓ PARIETTE BENCH UNIT #2	SWNE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15680-00		8910069630
✓ FEDERAL #22-25	SE NW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32008-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #24-25	SE SW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32669-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #34-25	SW SE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32670-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #21-25	NENW 258S 17E	DUCHESNE	UT	UNDESIGNATED (H)	43-047-32528-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #12-25	SWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32526-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #23-25	NESW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32529-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #31-25	NWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32530-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #32-25	SWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32524-00	UTU67845	UTU76189X
✓ MONUMENT BUTTE FED #33-25	NWSE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32525-00	UTU67845	UTU76189X
✓ MONUMENT FEDERAL #11-25	NWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32455-00	UTU67845	UTU76189X
✓ PARIETTE DRAW FED #8-23	SE NE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32676-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #9-23	NESE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-31543-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #12-24	SWNW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32713-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #13-24	NWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32546-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #14-24	SWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32645-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #23-24-8-17	NE SW 248S 17E	UINTAH	UT	MONUMENT BUTTE (H)	43-047-32710-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #24-24	SESW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32646-00	UTU45431	UTU76189X
✓ PARIETTE FEDERAL #34-24	SWSE 248S R17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32506-00	UTU45431	UTU76189X



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: *Lisha*
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

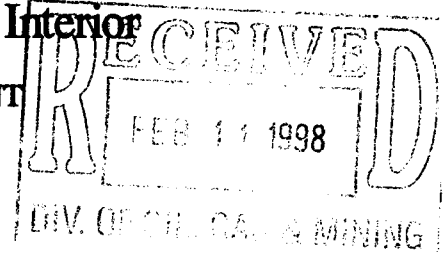
NOTE: *Here is the letter you requested.*
Call if you need anything
further.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
UT-931

February 10, 1998

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

Re: Humpback (Green River) Unit
Uintah County, Utah

Gentlemen:

On February 10, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Humpback (Green River) Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 10, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Humpback (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Humpback (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Humpback (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron/Fluid Chron
U-931:TAThompson:tt:2/10/98

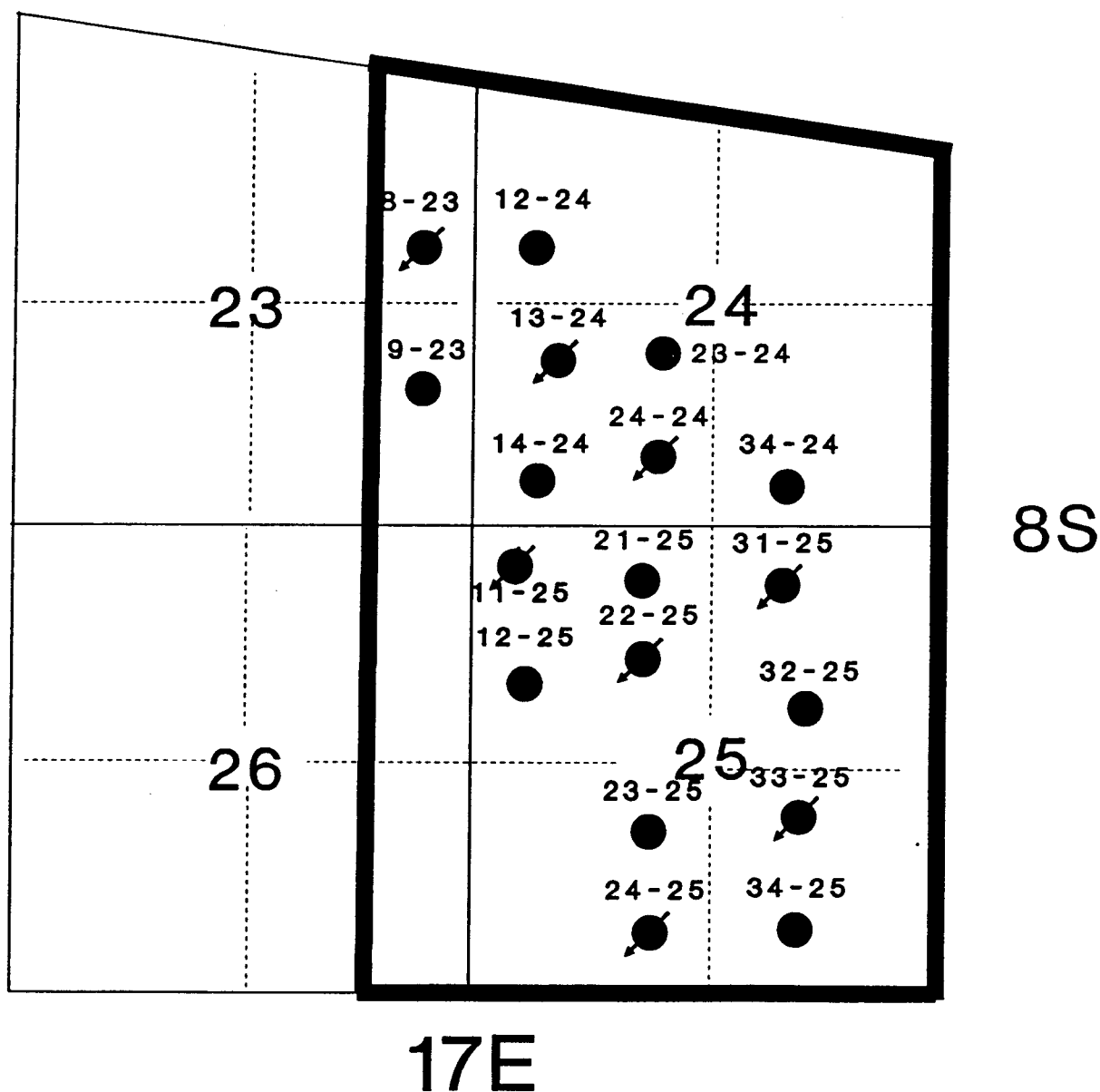
Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU76189X								
UTU67845	4304732455	11-25	NWNW	25	T	8S	R17E	OSI
UTU45431	4304732713	12-24	SWNW	24	T	8S	R17E	POW
UTU67845	4304732526	12-25	SWNW	25	T	8S	R17E	POW
UTU45431	4304732645	14-24	SWSW	24	T	8S	R17E	POW
UTU67845	4304732528	21-25	NENW	25	T	8S	R17E	OSI
UTU67845	4304732008	22-25 FEDERAL	SENW	25	T	8S	R17E	POW
UTU67845	4304732529	23-25	NESW	25	T	8S	R17E	POW
UTU45431	4304732646	24-24	SESW	24	T	8S	R17E	POW
UTU67845	4304732669	24-25	SESW	25	T	8S	R17E	POW
UTU67845	4304732530	31-25 FEDERAL	NWNE	25	T	8S	R17E	POW
UTU67845	4304732524	32-25 MONUMENT BUTTE	SWNE	25	T	8S	R17E	POW
UTU67845	4304732525	33-25	NWSE	25	T	8S	R17E	POW
UTU45431	4304732506	34-24	SWSE	24	T	8S	R17E	POW
UTU67845	4304732670	34-25	SWSE	25	T	8S	R17E	POW
UTU45431	4304731543	9-23 PARIETTE DRAW	NESE	23	T	8S	R17E	POW
UTU45431	4304732676	PARIETTE DRAW 8-23	SENE	23	T	8S	R17E	POW
UTU45431	4304732546	PARIETTE FED 13-24	NWSW	24	T	8S	R17E	POW
UTU45431	4304732710	PARIETTE FED 23-24	NESW	24	T	8S	R17E	POW

HUMPBACK (GREEN RIVER) UNIT

Uintah County, Utah

EFFECTIVE: JANUARY 1, 1997



— UNIT OUTLINE (UTU76189X)

1,468.47 ACRES

SECONDARY
ALLOCATION
FEDERAL 100.00%

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	6-17-97
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97TO: (new operator) INLAND PRODUCTION COMPANY
(address) PO BOX 1446ROOSEVELT UT 84066Phone: (435) 722-5103Account no. N5160FROM: (old operator)
(address)EQUITABLE RESOURCES ENERGY
PO BOX 577LAUREL MT 59044C/O CRAZY MTN O&G SVS'SPhone: (406) 628-4164Account no. N9890

WELL(S) attach additional page if needed:

HUMPBAC (GREEN RIVER) UNIT

Name: **SEE ATTACHED**	API: <u>43-047-32455</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 10-13-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(2-13-98)*
- lec 6. **Cardex** file has been updated for each well listed above. *(2-18-98)*
- lec 7. Well **file labels** have been updated for each well listed above. *(2-18-98)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(2-13-98)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

ENTITY REVIEW

- Yes 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
12053 previously assigned "Humpback (GR) Unit".
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Yes 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- Yes 1. All attachments to this form have been microfilmed. Today's date: 3.20.98.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

980211 BLM/SL Aprv. eH. 2-10-98.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 7 of 8

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S
 EQUITABLE RESOURCES ENERGY
 PO BOX 577
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 12 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 43-7								
4301331432	11880	09S 17E 7	GRRV					
MONUMENT FEDERAL 32-17								
4301331465	11880	09S 17E 17	GRRV					
MONUMENT FEDERAL 41-17								
4301331466	11880	09S 17E 17	GRRV					
MONUMENT STATE 23-16-9-17B								
4301331578	11880	09S 17E 16	GRRV					
MONUMENT FEDERAL 23-17-9-17B								
4301331582	11880	09S 17E 17	GRRV					
PARIETTE DRAW FED 9-23								
4304731543	12053	08S 17E 23	GRRV			445431	Humpback (CP) Unit	
FEDERAL 22-25								
4304732008	12053	08S 17E 25	GRRV			467845	"	
MONUMENT FEDERAL 11-25								
4304732455	12053	08S 17E 25	GRRV			467845	"	
PARIETTE FEDERAL 34-24								
4304732506	12053	08S 17E 24	GRRV			445431	"	
MONUMENT FEDERAL 32-25								
4304732524	12053	08S 17E 25	GRRV			467845	"	
BALCRON MONUMENT FEDERAL 33-25								
4304732525	12053	08S 17E 25	GRRV			467845	"	
MONUMENT FEDERAL 12-25								
4304732526	12053	08S 17E 25	GRRV			"	"	
BALCRON MONUMENT FEDERAL 21-25								
4304732528	12053	08S 17E 25	GRRV			"	"	
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

HUMPBAC (GR RVR)

8. Well Name and No.

MONUMENT FED 11-25

9. API Well No.

43-047-32455

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH COUNTY, UTAH**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0739 FNL 0648 FWL NW/NW Section 25, T8S R17E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Subject well had recompletion procedures initiated in the Green River formation on 4/1/03. Existing production equipment was pulled from well. A bit & scraper was run in well. Three new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: CP5 sds @ 6264'-6272' (4JSPF); CP4 sds @ 6176'-6180' (4JSPF); CP3 sands @ 6111'-6113' (4JSPF) & 6102'-6107' (4JSPF); and CP2 sds @ 6044'-6052' (4JSPF), as well as existing CP1 sands @ 6009'-6016', fraced down 2 7/8 N-80 tbg w/100,260# 20/40 sand in 771 bbls Viking I-25 fluid. Stage #2: PB11 sds @ 4866'-4874' (4JSPF) fraced down 2 7/8 N-80 tbg w/25,220# 20/40 sand in 224 bbls Viking I-25 fluid. Stage #3: GB4 sds @ 4568'-4575' (4JSPF); GB2 sds @ 4534'-4542' fraced down 5 1/2" 15.5# casing w/50,320# 20/40 sand in 402 bbls Viking I-25 fluid. Frac was flowed back through chokes. Sand was cleaned from wellbore. New intervals were swab tested for sand cleanup. BHA & production tbg were run and anchored in well w/tubing anchor @ 6155', pump seating nipple @ 6221', and end of tubing string @ 6285'. A repaired 1 1/2" bore rod pump was run in well on sucker rods. Well returned to production via rod pump on 4/8/03.

14. I hereby certify that the foregoing is true and correct

Signed

Martha Hall

Title

Office Manager

Date

4/10/2003

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

RECEIVED**APR 11 2003**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****HUMPBAC (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
PARIETTE DRAW FED 9-23	23	080S	170E	4304731543	12053	Federal	WI	A
PARIETTE DRAW FED 8-23	23	080S	170E	4304732676	12053	Federal	OW	P
PARIETTE FED 34-24	24	080S	170E	4304732506	12053	Federal	WI	A
PARIETTE FED 13-24	24	080S	170E	4304732546	12053	Federal	OW	P
PARIETTE FED 14-24	24	080S	170E	4304732645	12053	Federal	WI	A
PARIETTE FED 24-24	24	080S	170E	4304732646	12053	Federal	OW	P
PARIETTE FED 23-24	24	080S	170E	4304732710	12053	Federal	WI	A
PARIETTE FED 12-24	24	080S	170E	4304732713	12053	Federal	WI	A
FEDERAL 22-25	25	080S	170E	4304732008	12053	Federal	OW	P
MONUMENT FED 11-25	25	080S	170E	4304732455	12053	Federal	OW	P
MON FED 32-25	25	080S	170E	4304732524	12053	Federal	WI	A
BALCRON MON FED 33-25	25	080S	170E	4304732525	12053	Federal	OW	P
MON FED 12-25	25	080S	170E	4304732526	12053	Federal	WI	A
BALCRON MON FED 21-25	25	080S	170E	4304732528	12053	Federal	WI	A
MONUMENT FED 23-25	25	080S	170E	4304732529	12053	Federal	WI	A
MONUMENT FED 31-25	25	080S	170E	4304732530	12053	Federal	OW	P
BALCRON MON FED 24-25	25	080S	170E	4304732669	12053	Federal	OW	P
BALCRON MON FED 34-25	25	080S	170E	4304732670	12053	Federal	WI	A
HUMPBAC U 1A-26-8-17	26	080S	170E	4304734160	12053	Federal	OW	P
HUMPBAC U 8-26-8-17	26	080S	170E	4304734161	12053	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
739 FNL 648 FWL
NWNW Section 25 T8S R17E

5. Lease Serial No.

USA UTU-67845

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GMBU

8. Well Name and No.
MONUMENT FED 11-25

9. API Well No.
4304732455

10. Field and Pool, or Exploratory Area
GREATER MB UNIT

11. County or Parish, State
UINTAH, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
DEC 21 2011
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Title

Regulatory Technician

Jill Lovle

Signature

Date

12/15/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

**1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>**

MAR 05 2012

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

RECEIVED

MAR 14 2012

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, Colorado 80202

DIV. OF OIL, GAS & MINING

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RE: Underground Injection Control (UIC)
Additional Well to Humpback Area Permit
EPA UIC Permit UT20852-09441
Well: Monument Federal 11-25-8-17
NWNW Sec. 25-T8S-R17E
Uintah County, Utah
API No.: 43-047-32455


Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Monument Federal 11-25-8-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Humpback Area Permit No. UT20852-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,


Callie A. Videtich

Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Wellbore Schematic for Monument Federal 11-25-8-17

cc: Letter Only:

Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Ronald Wopsock, Vice-Chairman
Frances Poowegup, Councilwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

RECEIVED
BUREAU OF LAND MANAGEMENT
U.S. DEPARTMENT OF THE INTERIOR
WASHINGTON, D.C.
JUN 10 1988

cc: All Enclosures:

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Reed Durfey
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit UT20852-00000

The Humpback Final UIC Area Permit UT20852-00000, effective October 8, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 16, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:


Well Name:	Monument Federal 11-25-8-17
EPA Permit ID Number:	UT20852-09441
Location:	739' FNL & 648' FWL NWNW Sec. 25-T9S-R17E Uintah County, Utah API #43-047-32455

Pursuant to 40 CFR §144.33, Area UIC Permit UT20852-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20852-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: MAR 05 2012


for Callie A. Videtich
*Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

* The person holding this title is referred to as the Director throughout the permit and Authorization

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Monument Federal 11-25-8-17

EPA Well ID Number: UT20852-09441

Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone;
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate part II mechanical integrity using an approved demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 905 psig, based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.64 psi/ft, SG is 1.015 and D is 4,534 ft.

UIC Area Permit No. UT20852-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the

presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. Therefore, a radioactive tracer survey is required.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (external) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.
- (4) Isolate Surface Fluid Migration Paths:
 - a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
 - b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
 - c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Monument Federal 11-25-8-17
EPA Well ID Number: UT20852-09441

Underground Sources of Drinking Water (USDWs): USDWs in the Humpback Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 50 ft. below ground surface in the Monument Federal 11-25-8-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20852-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. However, the Cement Bond Log (CBL) does not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone. Therefore, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 266 ft. in a 12-1/4" hole, using 150 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,439 ft. in a 7-7/8" hole secured with 600 sacks of cement. Total driller depth is 6,450 ft. Plugged back total depth is 6,390 ft. EPA calculates top of cement at 2,466 ft. Estimated CBL top of cement is 1,292 ft.

Perforations: Top perforation: 4,534 ft.

Bottom perforation: 6,272 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Monument Federal 11-25-8-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Pariette Federal 14-24-8-17 API: 43-047-32645 SWSW Sec. 24-T8S-R17E
UIC Permit UT20852-04453.
Radioactive Tracer Survey approved by EPA June 15, 2011.

Monument Federal 21-25-8-17 API: 43-047-32528 NENW Sec. 25-T8S-R17E
UIC Permit UT20852-04461.

Humpback 1A-26-8-17 API: 43-047-34160 NENE Sec. 26-T8S-R17E
UIC Permit UT20852-06416.
Radioactive Tracer Survey approved by EPA February 28, 2008.

Monument Federal 12-25-8-17 API: 43-047-32526 SWSW Sec. 25-T8S-R17E
UIC Permit UT20852-04460

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Reporting of Noncompliance:

- 1) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- 3) (Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any

Authorization for Additional Well: UIC Area Permit UT20852-00000

Well: Monument Federal 11-25-8-17 EPA Well ID: UT20852-09441

noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

Monument Fed #11-25

Spud Date: 4/4/94
Put on Production: 4/8/03
GL: 5059' KB: 5069'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 6 jts. (258.44')
DEPTH LANDED: 266' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

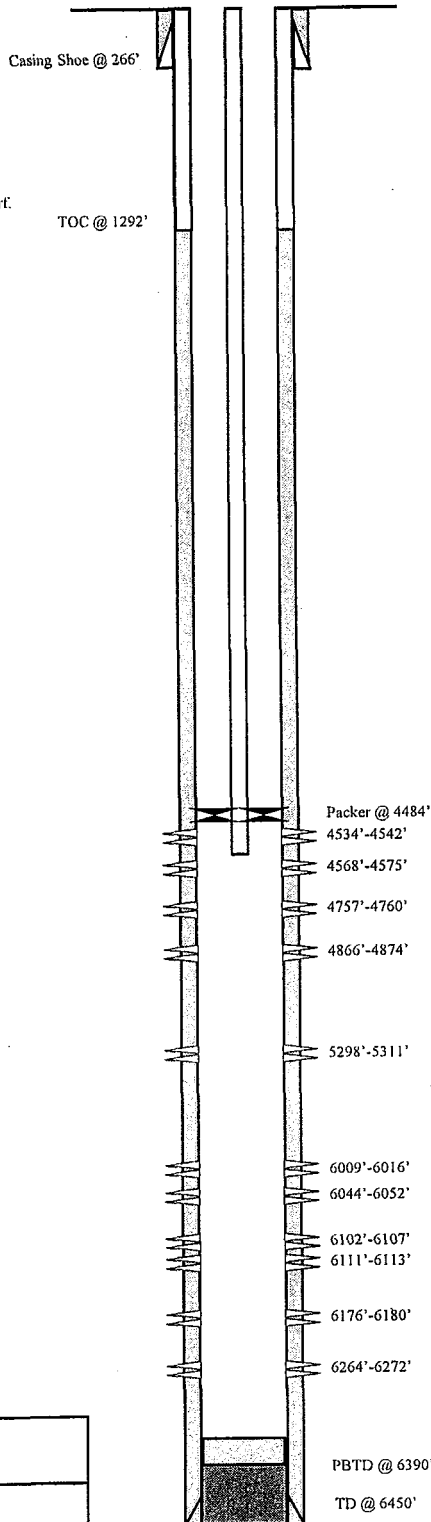
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 147 jts. (6429.74')
DEPTH LANDED: 6438.74' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 200 sxs Class "G" & 400 sxs 50/50 POZ.
CEMENT TOP AT: 1292' per CBL

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55
NO. OF JOINTS: 195 jts (6155.3')
TUBING ANCHOR: 6165.3'
NO. OF JOINTS: 2 jts (63.9')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6232'
NO. OF JOINTS: 2 jts (62.9')
TOTAL STRING LENGTH: EOT @ 6296'

Proposed Injection Wellbore Diagram




Initial Production: 109 BOPD,
NM MCFD, 7 BWPD

FRAC JOB

4/26/94	6009'-6016'	Fracture zone as follows: 13,000# 20/40 sand + 8,500# 16/30 sand in 282 bbls Viking I-35 fluid. Treated @ avg press of 2000 psi w/avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 6009 gal. Actual flush: 6006 gal.
4/29/94	5298'-5311'	Fracture zone as follows: 17,840# 20/40 sand + 22,440# 16/30 sand in 391 bbls Viking I-35 fluid. Treated @ avg press of 1800 psi w/avg rate of 30 BPM. ISIP 1020 psi. Calc flush: 5298 gal. Actual flush: 5292 gal.
5/03/94	4757'-4760'	Fracture zone as follows: 13,700# 16/30 sand in 224 bbls Viking I-35 fluid. Treated @ avg press of 3600 psi w/avg rate of 25 BPM. ISIP 1150 psi. Calc flush: 4757 gal. Actual flush: 4704 gal.
7/26/01		Pump change. Update rod and tubing details.
4/03/03	6044'-6272'	Fracture existing CP1 & new CP sands as follows: 100,260# 20/40 sand in 771 bbls Viking I-25. Treated @ avg. press. of 3800 psi, with avg. rate of 18.5 BPM. ISIP: 1490 psi. Calc flush: 1528 gal. Actual flush: 1428 gal.
4/04/03	4866'-4874'	Fracture PB sands as follows: 25,220# 20/40 sand in 224 bbls Viking I-25 fluid. Treated @ avg. press of 3150 psi, with avg. rate of 16 BPM. ISIP: 2000 psi. Calc flush: 1246 gal. Actual flush: 1134 gal.
4/04/03	4534'-4575'	Fracture GB sands as follows: 50,320# 20/40 sand in 402 bbls Viking I-25 fluid. Treated @ avg. press of 1950 psi, with avg. rate of 25 BPM. ISIP: 2140 psi. Calc flush: 4534 gal. Actual flush: 4452 gal.
04/30/04		Pump change. Update rod and tubing details.
7/30/04		Tubing leak. Update rod and tubing details.
1/4/05		Tubing leak. Update rod and tubing details.
4/20/07		Parted rods. Updated rod & tubing detail.
3/24/09		Pump Change. Updated r & t details.
9/30/09		Parted rods. Updated rod & tubing details.
1/13/10		Tubing Leak. Updated rod and tubing detail.

PERFORATION RECORD

4/25/94	6009'-6016'	4 JSPF	28 holes
4/28/94	5298'-5311'	4 JSPF	52 holes
5/02/94	4757'-4760'	4 JSPF	12 holes
4/02/03	6264'-6272'	4 JSPF	32 holes
4/02/03	6176'-6180'	4 JSPF	16 holes
4/02/03	6111'-6113'	4 JSPF	8 holes
4/02/03	6102'-6107'	4 JSPF	20 holes
4/02/03	6044'-6052'	4 JSPF	32 holes
4/02/03	4866'-4874'	4 JSPF	32 holes
4/02/03	4568'-4575'	4 JSPF	28 holes
4/02/03	4534'-4542'	4 JSPF	32 holes


Monument Fed #11-25 739' FNL & 648' FWL NWNW Section 25-T8S-R17E Uintah Co, Utah API #43-047-32455; Lease #U-67845



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

**1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>**

MAR 05 2012

Ref: 8P-W-GW

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

RECEIVED

MAR 14 2012

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, Colorado 80202

DIV. OF OIL, GAS & MINING

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RE: Underground Injection Control (UIC)
Additional Well to Humpback Area Permit
EPA UIC Permit UT20852-09441
Well: Monument Federal 11-25-8-17
NWNW Sec. 25-T8S-R17E
Uintah County, Utah
API No.: 43-047-32455


Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Monument Federal 11-25-8-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Humpback Area Permit No. UT20852-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,


Callie A. Videtich

Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Wellbore Schematic for Monument Federal 11-25-8-17

cc: Letter Only:

Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Ronald Wopsock, Vice-Chairman
Frances Poowegup, Councilwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

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cc: All Enclosures:

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
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Acting Associate Director
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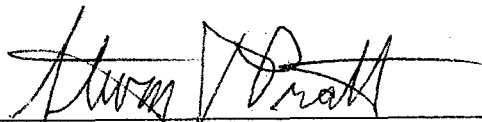
Well Name:	Monument Federal 11-25-8-17
EPA Permit ID Number:	UT20852-09441
Location:	739' FNL & 648' FWL NWNW Sec. 25-T9S-R17E Uintah County, Utah API #43-047-32455

Pursuant to 40 CFR §144.33, Area UIC Permit UT20852-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20852-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: MAR 05 2012


for Callie A. Videtich
*Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

* The person holding this title is referred to as the Director throughout the permit and Authorization

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Monument Federal 11-25-8-17

EPA Well ID Number: UT20852-09441

Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
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Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 905 psig, based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.64 psi/ft, SG is 1.015 and D is 4,534 ft.

UIC Area Permit No. UT20852-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the

presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. Therefore, a radioactive tracer survey is required.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (external) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.
- (4) Isolate Surface Fluid Migration Paths:
 - a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
 - b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
 - c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Monument Federal 11-25-8-17
EPA Well ID Number: UT20852-09441

Underground Sources of Drinking Water (USDWs): USDWs in the Humpback Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 50 ft. below ground surface in the Monument Federal 11-25-8-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20852-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. However, the Cement Bond Log (CBL) does not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone. Therefore, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 266 ft. in a 12-1/4" hole, using 150 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,439 ft. in a 7-7/8" hole secured with 600 sacks of cement. Total driller depth is 6,450 ft. Plugged back total depth is 6,390 ft. EPA calculates top of cement at 2,466 ft. Estimated CBL top of cement is 1,292 ft.

Perforations: Top perforation: 4,534 ft.

Bottom perforation: 6,272 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Monument Federal 11-25-8-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Pariette Federal 14-24-8-17 API: 43-047-32645 SWSW Sec. 24-T8S-R17E
UIC Permit UT20852-04453.
Radioactive Tracer Survey approved by EPA June 15, 2011.

Monument Federal 21-25-8-17 API: 43-047-32528 NENW Sec. 25-T8S-R17E
UIC Permit UT20852-04461.

Humpback 1A-26-8-17 API: 43-047-34160 NENE Sec. 26-T8S-R17E
UIC Permit UT20852-06416.
Radioactive Tracer Survey approved by EPA February 28, 2008.

Monument Federal 12-25-8-17 API: 43-047-32526 SWSW Sec. 25-T8S-R17E
UIC Permit UT20852-04460

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Reporting of Noncompliance:

- 1) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- 3) (Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any

Authorization for Additional Well: UIC Area Permit UT20852-00000

Well: Monument Federal 11-25-8-17 EPA Well ID: UT20852-09441

noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

Monument Fed #11-25

Spud Date: 4/4/94
Put on Production: 4/8/03
GL: 5059' KB: 5069'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 6 jts. (258.44')
DEPTH LANDED: 266' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

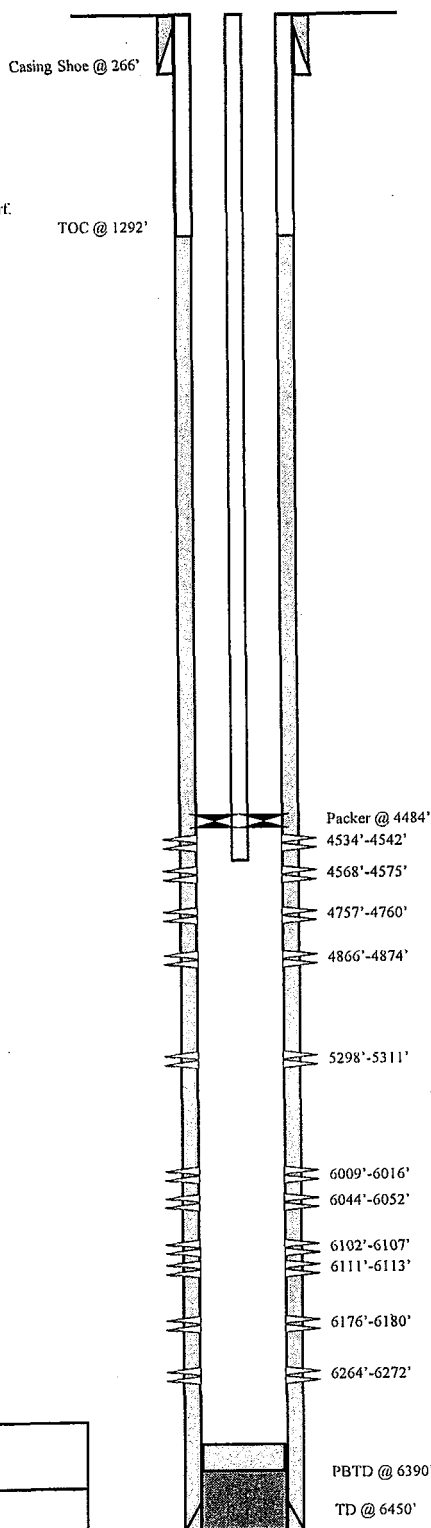
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 147 jts. (6429.74')
DEPTH LANDED: 6438.74' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 200 sxs Class "G" & 400 sxs 50/50 POZ.
CEMENT TOP AT: 1292' per CBL

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55
NO. OF JOINTS: 195 jts (6155.3')
TUBING ANCHOR: 6165.3'
NO. OF JOINTS: 2 jts (63.9')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6232'
NO. OF JOINTS: 2 jts (62.9')
TOTAL STRING LENGTH: EOT @ 6296'

Proposed Injection Wellbore Diagram




Initial Production: 109 BOPD,
NM MCFD, 7 BWPD

FRAC JOB

4/26/94	6009'-6016'	Frac zone as follows: 13,000# 20/40 sand + 8,500# 16/30 sand in 282 bbls Viking I-35 fluid. Treated @ avg press of 2000 psi w/avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 6009 gal. Actual flush: 6006 gal.
4/29/94	5298'-5311'	Frac zone as follows: 17,840# 20/40 sand + 22,440# 16/30 sand in 391 bbls Viking I-35 fluid. Treated @ avg press of 1800 psi w/avg rate of 30 BPM. ISIP 1020 psi. Calc flush: 5298 gal. Actual flush: 5292 gal.
5/03/94	4757'-4760'	Frac zone as follows: 13,700# 16/30 sand in 224 bbls Viking I-35 fluid. Treated @ avg press of 3600 psi w/avg rate of 25 BPM. ISIP 1150 psi. Calc flush: 4757 gal. Actual flush: 4704 gal.
7/26/01		Pump change. Update rod and tubing details.
4/03/03	6044'-6272'	Frac existing CP1 & new CP sands as follows: 100,260# 20/40 sand in 771 bbls Viking I-25. Treated @ avg. press. of 3800 psi, with avg. rate of 18.5 BPM. ISIP: 1490 psi. Calc flush: 1528 gal. Actual flush: 1428 gal.
4/04/03	4866'-4874'	Frac PB sands as follows: 25,220# 20/40 sand in 224 bbls Viking I-25 fluid. Treated @ avg. press of 3150 psi, with avg. rate of 16 BPM. ISIP: 2000 psi. Calc flush: 1246 gal. Actual flush: 1134 gal.
4/04/03	4534'-4575'	Frac GB sands as follows: 50,320# 20/40 sand in 402 bbls Viking I-25 fluid. Treated @ avg. press of 1950 psi, with avg. rate of 25 BPM. ISIP: 2140 psi. Calc flush: 4534 gal. Actual flush: 4452 gal.
04/30/04		Pump change. Update rod and tubing details.
7/30/04		Tubing leak. Update rod and tubing details.
1/4/05		Tubing leak. Update rod and tubing details.
4/20/07		Parted rods. Updated rod & tubing detail.
3/24/09		Pump Change. Updated r & t details.
9/30/09		Parted rods. Updated rod & tubing details.
1/13/10		Tubing Leak. Updated rod and tubing detail.

PERFORATION RECORD

4/25/94	6009'-6016'	4 JSPF	28 holes
4/28/94	5298'-5311'	4 JSPF	52 holes
5/02/94	4757'-4760'	4 JSPF	12 holes
4/02/03	6264'-6272'	4 JSPF	32 holes
4/02/03	6176'-6180'	4 JSPF	16 holes
4/02/03	6111'-6113'	4 JSPF	8 holes
4/02/03	6102'-6107'	4 JSPF	20 holes
4/02/03	6044'-6052'	4 JSPF	32 holes
4/02/03	4866'-4874'	4 JSPF	32 holes
4/02/03	4568'-4575'	4 JSPF	28 holes
4/02/03	4534'-4542'	4 JSPF	32 holes


Monument Fed #11-25 739' FNL & 648' FWL NWNW Section 25-T8S-R17E Uintah Co, Utah API #43-047-32455; Lease #U-67845

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-67845
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MONUMENT FED 11-25
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0739 FNL 0648 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 25 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047324550000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/13/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Put on Injection"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above reference well was put on injection at 1:30 PM on 06/13/2012. EPA # UT20852-09441		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 15, 2012		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/15/2012	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-67845
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
PHONE NUMBER 435.646.3721		8. WELL NAME and NUMBER: MONUMENT FED 11-25
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 739 FNL 648 FWL		9. API NUMBER: 4304732455
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 25, T8S, R17E		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
COUNTY: UINTAH		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/02/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

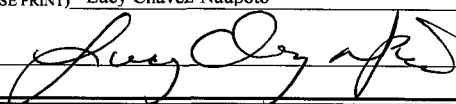
The subject well has been converted from a producing oil well to an injection well on 04/19/2012.

On 04/25/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/02/2012 the casing was pressured up to 1775 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20852-09441

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT) <u>Lucy Chavez-Naupoto</u>	TITLE <u>Water Services Technician</u>
SIGNATURE 	DATE <u>05/08/2012</u>

(This space for State use only)

RECEIVED

MAY 10 2012

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 5/12/12
Test conducted by: Kevin Burll
Others present: _____

Ut 20852-09441

Well Name: <u>Monument Fed. 11-25-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Buell</u>		
Location: <u>NW/NE</u> Sec: <u>25</u> T <u>8</u> N <u>17</u> E W County: <u>Utah</u> State: <u>Ut</u>		
Operator: <u>Kevin Burll</u>		
Last MIT: <u>1</u> / <u>1</u>		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? ☐ Yes ☐ No
Initial test for permit? ☒ Yes ☐ No
Test after well rework? ☐ Yes ☐ No
Well injecting during test? ☐ Yes ☐ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: _____ psig

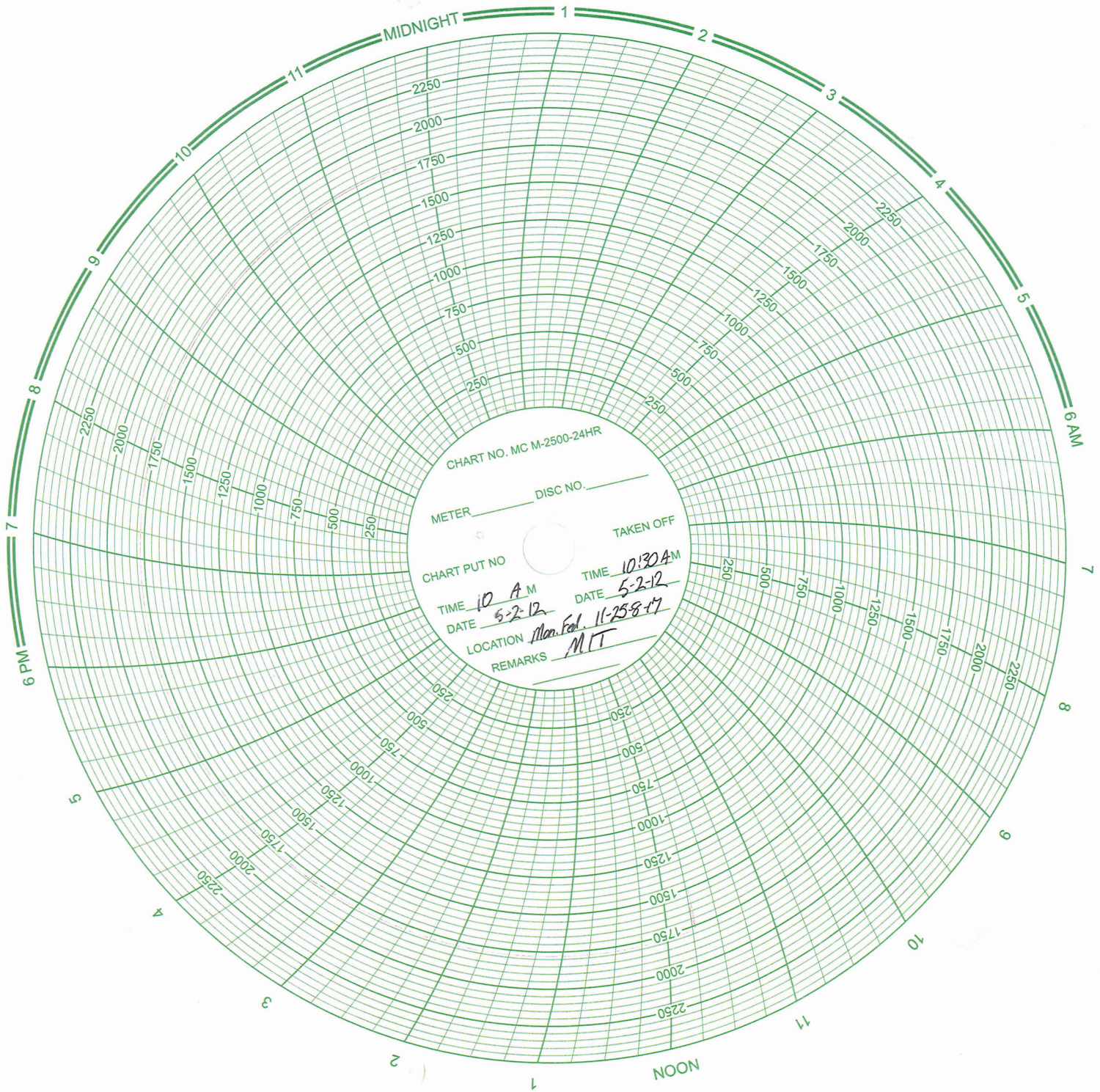
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1775</u> psig	psig	psig
5 minutes	<u>1775</u> psig	psig	psig
10 minutes	<u>1775</u> psig	psig	psig
15 minutes	<u>1775</u> psig	psig	psig
20 minutes	<u>1775</u> psig	psig	psig
25 minutes	<u>1775</u> psig	psig	psig
30 minutes	<u>1775</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



2/1/2012 To 6/30/2012

Conversion

Cumulative Cost: \$65,918

4/17/2012 Day: 2**Conversion**

Stone #8 on 4/17/2012 - POOH w/ Tbg - SAFETY MEETING TOPIC TESTING TBG PULLING BREAKING COLLARS FLUSH TBG W/ 60 BBL DROP SV AND PUMP DOWN W/ 45 BBL NO FILL CHANGE OVER TO TBG ND WELLHEAD RELEASE TAC NU BOPS RU FLOOR AND TONGS PU PU 3 JNTS AND TAG FILL @ 6356' LD 3 JNTS POOH W/ TBG BREAKING COLLARS ON WAY OUT LD BOTTOM 49 JNTS TBG TAC PSN NC STANDING VALVE STUCK IN CRIMP 2 JNTS ABOVE PSN RIH W/ 5 1/2" ARROWSET PACKER W/ WIRELINE RENTRY GUIDE NEW PSN AND 50 JNTS TBG SWIFN EOT @ 1571' - SAFETY MEETING TOPIC TESTING TBG PULLING BREAKING COLLARS FLUSH TBG W/ 60 BBL DROP SV AND PUMP DOWN W/ 45 BBL NO FILL CHANGE OVER TO TBG ND WELLHEAD RELEASE TAC NU BOPS RU FLOOR AND TONGS PU PU 3 JNTS AND TAG FILL @ 6356' LD 3 JNTS POOH W/ TBG BREAKING COLLARS ON WAY OUT LD BOTTOM 49 JNTS TBG TAC PSN NC STANDING VALVE STUCK IN CRIMP 2 JNTS ABOVE PSN RIH W/ 5 1/2" ARROWSET PACKER W/ WIRELINE RENTRY GUIDE NEW PSN AND 50 JNTS TBG SWIFN EOT @ 1571' - SAFETY MEETING TOPIC TESTING TBG PULLING BREAKING COLLARS FLUSH TBG W/ 60 BBL DROP SV AND PUMP DOWN W/ 45 BBL NO FILL CHANGE OVER TO TBG ND WELLHEAD RELEASE TAC NU BOPS RU FLOOR AND TONGS PU PU 3 JNTS AND TAG FILL @ 6356' LD 3 JNTS POOH W/ TBG BREAKING COLLARS ON WAY OUT LD BOTTOM 49 JNTS TBG TAC PSN NC STANDING VALVE STUCK IN CRIMP 2 JNTS ABOVE PSN RIH W/ 5 1/2" ARROWSET PACKER W/ WIRELINE RENTRY GUIDE NEW PSN AND 50 JNTS TBG SWIFN EOT @ 1571' - SAFETY MEETING TOPIC TESTING TBG PULLING BREAKING COLLARS FLUSH TBG W/ 60 BBL DROP SV AND PUMP DOWN W/ 45 BBL NO FILL CHANGE OVER TO TBG ND WELLHEAD RELEASE TAC NU BOPS RU FLOOR AND TONGS PU PU 3 JNTS AND TAG FILL @ 6356' LD 3 JNTS POOH W/ TBG BREAKING COLLARS ON WAY OUT LD BOTTOM 49 JNTS TBG TAC PSN NC STANDING VALVE STUCK IN CRIMP 2 JNTS ABOVE PSN RIH W/ 5 1/2" ARROWSET PACKER W/ WIRELINE RENTRY GUIDE NEW PSN AND 50 JNTS TBG SWIFN EOT @ 1571' - SAFETY MEETING TOPIC TESTING TBG PULLING BREAKING COLLARS FLUSH TBG W/ 60 BBL DROP SV AND PUMP DOWN W/ 45 BBL NO FILL CHANGE OVER TO TBG ND WELLHEAD RELEASE TAC NU BOPS RU FLOOR AND TONGS PU PU 3 JNTS AND TAG FILL @ 6356' LD 3 JNTS POOH W/ TBG BREAKING COLLARS ON WAY OUT LD BOTTOM 49 JNTS TBG TAC PSN NC STANDING VALVE STUCK IN CRIMP 2 JNTS ABOVE PSN RIH W/ 5 1/2" ARROWSET PACKER W/ WIRELINE RENTRY GUIDE NEW PSN AND 50 JNTS TBG SWIFN EOT @ 1571' - SAFETY MEETING TOPIC TESTING TBG PULLING BREAKING COLLARS FLUSH TBG W/ 60 BBL DROP SV AND PUMP DOWN W/ 45 BBL NO FILL CHANGE OVER TO TBG ND WELLHEAD RELEASE TAC NU BOPS RU FLOOR AND TONGS PU PU 3 JNTS AND TAG FILL @ 6356' LD 3 JNTS POOH W/ TBG BREAKING COLLARS ON WAY OUT LD BOTTOM 49 JNTS TBG TAC PSN NC STANDING VALVE STUCK IN CRIMP 2 JNTS ABOVE PSN RIH W/ 5 1/2" ARROWSET PACKER W/ WIRELINE RENTRY GUIDE NEW PSN AND 50 JNTS TBG SWIFN EOT @ 1571' **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$72,558**4/25/2012 Day: 4****Conversion**

Stone #8 on 4/25/2012 - RIH w/ PKR Press Test - SAFETY MEETING TOPIC TRIPING TBG ND BOPS RD ROAD RU POOH W/ TBG PACKER 1 ELLIMENT RIPPED PU NEW PACKER AND RIH W/ TBG RU AND PUMP PACKER FLUID AROUND DROP SV PUMP TO BOTTOM TEST TO 3000PSI FOR 30 MIN GOOD TEST RD FLOOR ND BOPS SET PACKER @ 4448' W/ 18000 # TENSION LAND NU WELLHEAD TEST CSG TO 1600 # 30 MIN 1625 GOOD TEST RIG DOWN ROAD RIG TO 3A 29 4 2W 12 MILES FINAL REPORT - SAFETY MEETING TOPIC RUNING TBG TESTING ND BOPS RIG DOWN ROAD RU NO PRESSURE ON WELL RIH W/ 40 JNTS PUMP PAD DROP SV WONT FILL TO TEST RU SL RIH AND TAG SV POOH RD SL STILL WONT TEST POOH W/ TBG LOOKING FOR A HOLE FOUND HOLE IN JNT # 37 RUN 2 JNTS AND TEST GOOD RIH W/ 89 JNTS TOTAL FILL AND TEST TO 3000 # GOOD TEST RIH W/ 142 TOTAL JNTS AND TEST TO 3000 # LOST 200 # IN 10 MIN HELD 2800 # FOR 30 MIN RU SL AND FISH SV RD FLOOR ND BOPS PU TBG SUB AND LAND TBG ON FLANGE PUMP 80 BBL PACKER FLUID PACKER WONT

SET CALL WTRD GET TO SET BUT SLIDING UP HOLE RELEASE PACKER NU BOPS RU FLOOR WILL ROUND TRIP TBG IN AM SWIFN - SAFETY MEETING TOPIC TRIPING TBG ND BOPS RD ROAD RU POOH W/ TBG PACKER 1 ELLIMENT RIPPED PU NEW PACKER AND RIH W/ TBG RU AND PUMP PACKER FLUID AROUND DROP SV PUMP TO BOTTOM TEST TO 3000PSI FOR 30 MIN GOOD TEST RD FLOOR ND BOPS SET PACKER @ 4448' W/ 18000 # TENSION LAND NU WELLHEAD TEST CSG TO 1600 # 30 MIN 1625 GOOD TEST RIG DOWN ROAD RIG TO 3A 29 4 2W 12 MILES FINAL REPORT - SAFETY MEETING TOPIC TRIPING TBG ND BOPS RD ROAD RU POOH W/ TBG PACKER 1 ELLIMENT RIPPED PU NEW PACKER AND RIH W/ TBG RU AND PUMP PACKER FLUID AROUND DROP SV PUMP TO BOTTOM TEST TO 3000PSI FOR 30 MIN GOOD TEST RD FLOOR ND BOPS SET PACKER @ 4448' W/ 18000 # TENSION LAND NU WELLHEAD TEST CSG TO 1600 # 30 MIN 1625 GOOD TEST RIG DOWN ROAD RIG TO 3A 29 4 2W 12 MILES FINAL REPORT - SAFETY MEETING TOPIC RUNING TBG TESTING ND BOPS RIG DOWN ROAD RU NO PRESSURE ON WELL RIH W/ 40 JNTS PUMP PAD DROP SV WONT FILL TO TEST RU SL RIH AND TAG SV POOH RD SL STILL WONT TEST POOH W/ TBG LOOKING FOR A HOLE FOUND HOLE IN JNT # 37 RUN 2 JNTS AND TEST GOOD RIH W/ 89 JNTS TOTAL FILL AND TEST TO 3000 # GOOD TEST RIH W/ 142 TOTAL JNTS AND TEST TO 3000 # LOST 200 # IN 10 MIN HELD 2800 # FOR 30 MIN RU SL AND FISH SV RD FLOOR ND BOPS PU TBG SUB AND LAND TBG ON FLANGE PUMP 80 BBL PACKER FLUID PACKER WONT SET CALL WTRD GET TO SET BUT SLIDING UP HOLE RELEASE PACKER NU BOPS RU FLOOR WILL ROUND TRIP TBG IN AM SWIFN - SAFETY MEETING TOPIC RUNING TBG TESTING ND BOPS RIG DOWN ROAD RU NO PRESSURE ON WELL RIH W/ 40 JNTS PUMP PAD DROP SV WONT FILL TO TEST RU SL RIH AND TAG SV POOH RD SL STILL WONT TEST POOH W/ TBG LOOKING FOR A HOLE FOUND HOLE IN JNT # 37 RUN 2 JNTS AND TEST GOOD RIH W/ 89 JNTS TOTAL FILL AND TEST TO 3000 # GOOD TEST RIH W/ 142 TOTAL JNTS AND TEST TO 3000 # LOST 200 # IN 10 MIN HELD 2800 # FOR 30 MIN RU SL AND FISH SV RD FLOOR ND BOPS PU TBG SUB AND LAND TBG ON FLANGE PUMP 80 BBL PACKER FLUID PACKER WONT SET CALL WTRD GET TO SET BUT SLIDING UP HOLE RELEASE PACKER NU BOPS RU FLOOR WILL ROUND TRIP TBG IN AM SWIFN - SAFETY MEETING TOPIC TRIPING TBG ND BOPS RD ROAD RU POOH W/ TBG PACKER 1 ELLIMENT RIPPED PU NEW PACKER AND RIH W/ TBG RU AND PUMP PACKER FLUID AROUND DROP SV PUMP TO BOTTOM TEST TO 3000PSI FOR 30 MIN GOOD TEST RD FLOOR ND BOPS SET PACKER @ 4448' W/ 18000 # TENSION LAND NU WELLHEAD TEST CSG TO 1600 # 30 MIN 1625 GOOD TEST RIG DOWN ROAD RIG TO 3A 29 4 2W 12 MILES FINAL REPORT - SAFETY MEETING TOPIC TRIPING TBG ND BOPS RD ROAD RU POOH W/ TBG PACKER 1 ELLIMENT RIPPED PU NEW PACKER AND RIH W/ TBG RU AND PUMP PACKER FLUID AROUND DROP SV PUMP TO BOTTOM TEST TO 3000PSI FOR 30 MIN GOOD TEST RD FLOOR ND BOPS SET PACKER @ 4448' W/ 18000 # TENSION LAND NU WELLHEAD TEST CSG TO 1600 # 30 MIN 1625 GOOD TEST RIG DOWN ROAD RIG TO 3A 29 4 2W 12 MILES FINAL REPORT - SAFETY MEETING TOPIC RUNING TBG TESTING ND BOPS RIG DOWN ROAD RU NO PRESSURE ON WELL RIH W/ 40 JNTS PUMP PAD DROP SV WONT FILL TO TEST RU SL RIH AND TAG SV POOH RD SL STILL WONT TEST POOH W/ TBG LOOKING FOR A HOLE FOUND HOLE IN JNT # 37 RUN 2 JNTS AND TEST GOOD RIH W/ 89 JNTS TOTAL FILL AND TEST TO 3000 # GOOD TEST RIH W/ 142 TOTAL JNTS AND TEST TO 3000 # LOST 200 # IN 10 MIN HELD 2800 # FOR 30 MIN RU SL AND FISH SV RD FLOOR ND BOPS PU TBG SUB AND LAND TBG ON FLANGE PUMP 80 BBL PACKER FLUID PACKER WONT SET CALL WTRD GET TO SET BUT SLIDING UP HOLE RELEASE PACKER NU BOPS RU FLOOR WILL ROUND TRIP TBG IN AM SWIFN - SAFETY MEETING TOPIC RUNING TBG TESTING ND BOPS RIG DOWN ROAD RU NO PRESSURE ON WELL RIH W/ 40 JNTS PUMP PAD DROP SV WONT FILL TO TEST RU SL RIH AND TAG SV POOH RD SL STILL WONT TEST POOH W/ TBG LOOKING FOR A HOLE FOUND HOLE IN JNT # 37 RUN 2 JNTS AND TEST GOOD RIH W/ 89 JNTS TOTAL FILL AND TEST TO 3000 # GOOD TEST RIH W/ 142 TOTAL JNTS AND TEST TO 3000 # LOST 200 # IN 10 MIN HELD 2800 # FOR 30 MIN RU SL AND FISH SV RD FLOOR ND BOPS PU TBG SUB AND LAND TBG ON FLANGE PUMP 80

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Daily Cost: \$0

Cumulative Cost: \$85,191

5/3/2012 Day: 5

Conversion

Rigless on 5/3/2012 - Conduct initial MIT - On 04/25/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/02/2012 the casing was pressured up to 1775 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-09441 - On 04/25/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/02/2012 the casing was pressured up to 1775 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-09441 - On 04/25/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/02/2012 the casing was pressured up to 1775 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-09441 - On 04/25/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/02/2012 the casing was pressured up to 1775 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20852-09441 - On 04/25/2012

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Daily Cost: \$0

Cumulative Cost: \$110,511

Pertinent Files: Go to File List



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

JUN 06 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

JUN 13 2012

DIV. OF OIL, GAS & MINING

Mr. Reed Durfey
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, Utah 84052

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT20852-09441
Well: Monument Federal 11-25-8-17
NWNW Sec. 25-T8S-R17E
Uintah County, Utah
API No.: 43-047-32455

Dear Mr. Durfey:

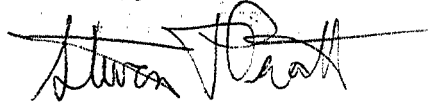
The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) May 7, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20852-09441.

As of the date of this letter, Newfield is authorized to commence injection into the Monument Federal 11-25-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 905 psig for a limited period of 180 days during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20852-09441. If Newfield seeks a higher MAIP than 905 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20852-09441.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-UIC.

Sincerely,



for Callie A. Videtich

Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Richard Jenks Jr., Councilman
Frances Poowegup, Councilwoman
Ronald Wopsock, Vice-Chairman
Phillip Chimburas, Councilman
Stewart Pike, Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

RECEIVED
BUREAU OF LAND MANAGEMENT
U.S. DEPARTMENT OF THE INTERIOR
MAY 19 1994
FOR RECORDS ONLY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: U-67845
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MONUMENT FED 11-25
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0739 FNL 0648 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 25 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047324550000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/23/2012	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: Step Rate Test - EPA	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. A step rate test was conducted on the subject well on July 23, 2012. Results from the test indicate that the fracture gradient is 0.697 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 905 psi to 1165 psi. EPA: UT20852-09441		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 07, 2012		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 8/7/2012

Step Rate Test (SRT) AnalysisDate: 07/30/2012

Operator:

Newfield Production Company

Well:

Monument Federal 11-25-8-17

Permit #:

UT20852-09441**Enter the following data :**

Specific Gravity (sg) of injectate = 1.015 g/cc

Depth to top perforation (D) = 4534 feet 4534

Top of permitted injection zone depth (blank=use top perforation to calculate fg) = _____ feet

Estimated Formation Parting Pressure (Pfp) from SRT chart = 1165 psi

Instantaneous Shut In Pressure (ISIP) from SRT = 1215 psi 1165

Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder = _____ psi no downhole

Part One - Calculation of Fracture Gradient (fg)Calculated Fracture Gradient = 0.697 psi/ft.where: $fg = Pbhp / D$ (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1215

D = depth used = 4534

Pbhp used = 3158

Calculated Bottom Hole Parting Pressure (Pbhp) = 3158 psi 3157.670

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1165

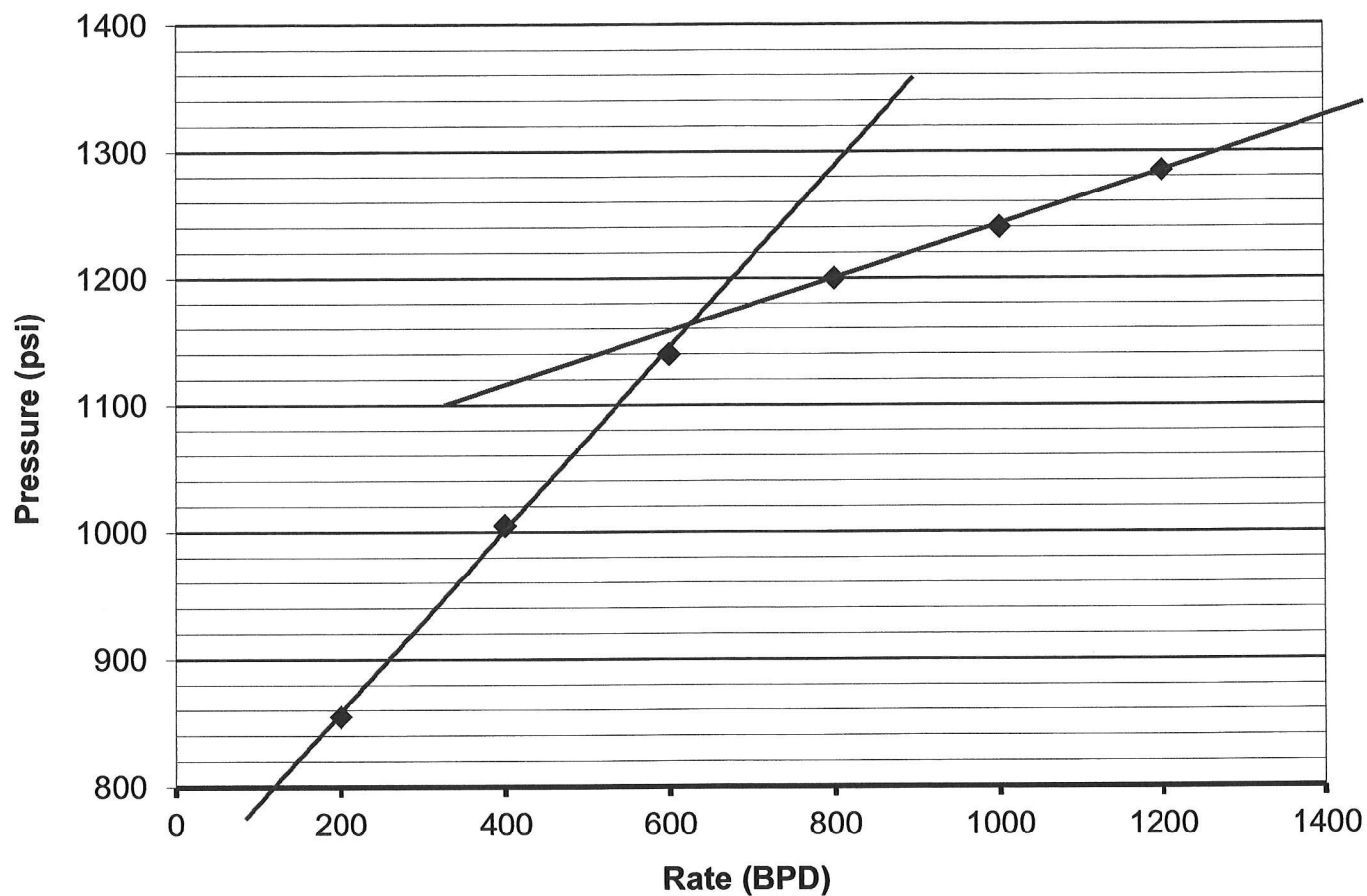
Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)Maximum Allowable Injection Pressure (MAIP) = 1165 psig

D = depth used = 4534

MAIP = $[fg - (0.433 * SG)] * D = 1167.528$

(rounded down to nearest 5 psig)

Monument Federal 11-25-8-17
Greater Monument Butte Unit
Step Rate Test
July 23, 2012



Start Pressure: 795 psi
Instantaneous Shut In Pressure (ISIP): 1215 psi
Top Perforation: 4534 feet
Fracture pressure (Pfp): 1165 psi
FG: 0.696 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	200	855
2	400	1005
3	600	1140
4	800	1200
5	1000	1240
6	1200	1285

Monument Federal 11-25-8-17 Rate Sheet (7-23-12)

<i>Step # 1</i>	Time:	5:35	5:40	5:45	5:50	5:55	6:00
	Rate:	200.5	200.5	200.5	200.4	200.4	200.3
	Time:	6:05	6:10	6:15	6:20	6:25	6:30
	Rate:	200.3	200.3	200.3	200.2	200.2	200.2
<i>Step # 2</i>	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	400.3	400.3	400.3	400.3	400.3	400.2
	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	400.2	400.2	400.2	400.1	400.1	400
<i>Step # 3</i>	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	600.7	600.7	600.6	600.6	600.6	600.6
	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	600.5	600.5	600.5	600.5	600.4	600.4
<i>Step # 4</i>	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	800.6	800.6	800.6	800.5	800.5	800.5
	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	800.5	800.4	800.4	800.3	800.3	800.2
<i>Step # 5</i>	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	1000.5	1000.5	1000.5	1000.5	1000.3	1000.3
	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	1000.3	1000.2	1000.2	1000.2	1000.1	1000.1
<i>Step # 6</i>	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	1200.4	1200.4	1200.4	1200.3	1200.3	1200.3
	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	1200.2	1200.2	1200.1	1200.1	1200.1	1200.1

Data Table Report

Report Name: PrTrans1000IS Data Table
 Report Date: 07/30/2012 07:56:59
 File Name: C:\Program Files\PTC® Instruments 2.03.12\Monument Federal 11-25-8-17 SRT (7-23-2012).csv
 Device: PrTrans1000IS - Pressure Transient Recorder
 Hardware Revision: REV2 (512K)
 Serial Number: N83561
 Device ID: PRT1K
 Data Start Date: Jul 23, 2012 05:00:00.000 AM MDT
 Data End Date: Jul 23, 2012 11:30:01.000 AM MDT
 Reading: 1 to 79 of 79
 Reading Rate: 0.100 Seconds
 Last Calibration Date: Jul 05, 2012
 Next Calibration Date: Jul 05, 2013
 Next Calibration Date: Jul 05, 2013

Monument Federal 11-25-8-17 SRT (7-23-2012)

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 1 PSIA
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1	Jul 23, 2012 05:00:00 AM	810
2	Jul 23, 2012 05:05:00 AM	805
3	Jul 23, 2012 05:10:00 AM	805
4	Jul 23, 2012 05:15:00 AM	800
5	Jul 23, 2012 05:20:01 AM	800
6	Jul 23, 2012 05:25:00 AM	800
7	Jul 23, 2012 05:30:01 AM	795
8	Jul 23, 2012 05:35:00 AM	815
9	Jul 23, 2012 05:40:01 AM	820
10	Jul 23, 2012 05:45:00 AM	825
11	Jul 23, 2012 05:50:00 AM	830
12	Jul 23, 2012 05:55:00 AM	835
13	Jul 23, 2012 06:00:00 AM	840
14	Jul 23, 2012 06:05:01 AM	840
15	Jul 23, 2012 06:10:00 AM	845
16	Jul 23, 2012 06:15:01 AM	850
17	Jul 23, 2012 06:20:00 AM	850
18	Jul 23, 2012 06:25:01 AM	850
19	Jul 23, 2012 06:30:00 AM	855
20	Jul 23, 2012 06:35:00 AM	890
21	Jul 23, 2012 06:40:00 AM	915
22	Jul 23, 2012 06:45:00 AM	930
23	Jul 23, 2012 06:50:01 AM	945
24	Jul 23, 2012 06:55:00 AM	950
25	Jul 23, 2012 07:00:01 AM	965
26	Jul 23, 2012 07:05:00 AM	975
27	Jul 23, 2012 07:10:01 AM	980
28	Jul 23, 2012 07:15:00 AM	990
29	Jul 23, 2012 07:20:00 AM	995
30	Jul 23, 2012 07:25:00 AM	1005
31	Jul 23, 2012 07:30:00 AM	1005
32	Jul 23, 2012 07:35:01 AM	1045
33	Jul 23, 2012 07:40:00 AM	1060
34	Jul 23, 2012 07:45:01 AM	1075
35	Jul 23, 2012 07:50:00 AM	1085
36	Jul 23, 2012 07:55:01 AM	1095
37	Jul 23, 2012 08:00:00 AM	1095
38	Jul 23, 2012 08:05:00 AM	1110

Monument Federal 11-25-8-17 SRT (7-23-2012)

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 1 PSIA
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39	Jul 23, 2012 08:10:00 AM	1120
40	Jul 23, 2012 08:15:00 AM	1120
41	Jul 23, 2012 08:20:01 AM	1130
42	Jul 23, 2012 08:25:00 AM	1135
43	Jul 23, 2012 08:30:01 AM	1140
44	Jul 23, 2012 08:35:00 AM	1165
45	Jul 23, 2012 08:40:01 AM	1175
46	Jul 23, 2012 08:45:00 AM	1170
47	Jul 23, 2012 08:50:00 AM	1185
48	Jul 23, 2012 08:55:00 AM	1180
49	Jul 23, 2012 09:00:00 AM	1190
50	Jul 23, 2012 09:05:01 AM	1185
51	Jul 23, 2012 09:10:00 AM	1185
52	Jul 23, 2012 09:15:01 AM	1200
53	Jul 23, 2012 09:20:00 AM	1190
54	Jul 23, 2012 09:25:01 AM	1200
55	Jul 23, 2012 09:30:00 AM	1200
56	Jul 23, 2012 09:35:00 AM	1220
57	Jul 23, 2012 09:40:00 AM	1235
58	Jul 23, 2012 09:45:00 AM	1230
59	Jul 23, 2012 09:50:01 AM	1235
60	Jul 23, 2012 09:55:00 AM	1230
61	Jul 23, 2012 10:00:01 AM	1230
62	Jul 23, 2012 10:05:00 AM	1230
63	Jul 23, 2012 10:10:01 AM	1235
64	Jul 23, 2012 10:15:00 AM	1240
65	Jul 23, 2012 10:20:00 AM	1255
66	Jul 23, 2012 10:25:00 AM	1255
67	Jul 23, 2012 10:30:00 AM	1240
68	Jul 23, 2012 10:35:01 AM	1265
69	Jul 23, 2012 10:40:00 AM	1275
70	Jul 23, 2012 10:45:01 AM	1265
71	Jul 23, 2012 10:50:00 AM	1285
72	Jul 23, 2012 10:55:01 AM	1260
73	Jul 23, 2012 11:00:00 AM	1275
74	Jul 23, 2012 11:05:00 AM	1275
75	Jul 23, 2012 11:10:00 AM	1290
76	Jul 23, 2012 11:15:00 AM	1290
77	Jul 23, 2012 11:20:01 AM	1290
78	Jul 23, 2012 11:25:00 AM	1300
79	Jul 23, 2012 11:30:01 AM	1285

End of Report

Data Table Report

Report Name: PrTrans1000IS Data Table
 Report Date: 07/30/2012 07:57:11
 File Name: C:\Program Files\PTC® Instruments 2.03.12\Monument Federal 11-25-8-17 ISIP (7-23-2012).csv
 Device: PrTrans1000IS - Pressure Transient Recorder
 Hardware Revision: REV2 (512K)
 Serial Number: N83561
 Device ID: PRT1K
 Data Start Date: Jul 23, 2012 11:30:12.000 AM MDT
 Data End Date: Jul 23, 2012 12:00:12.000 PM MDT
 Reading: 1 to 31 of 31
 Reading Rate: 0.100 Seconds
 Last Calibration Date: Jul 05, 2012
 Next Calibration Date: Jul 05, 2013
 Next Calibration Date: Jul 05, 2013

Monument Federal 11-25-8-17 ISIP (7-23-2012)

Unit Type (All Units)

Reading **DateTime (MDT)** **Channel 1**
PSIA

1	Jul 23, 2012 11:30:12 AM	1275
2	Jul 23, 2012 11:31:12 AM	1215
3	Jul 23, 2012 11:32:11 AM	1205
4	Jul 23, 2012 11:33:12 AM	1195
5	Jul 23, 2012 11:34:12 AM	1190
6	Jul 23, 2012 11:35:11 AM	1185
7	Jul 23, 2012 11:36:12 AM	1175
8	Jul 23, 2012 11:37:12 AM	1170
9	Jul 23, 2012 11:38:12 AM	1165
10	Jul 23, 2012 11:39:12 AM	1165
11	Jul 23, 2012 11:40:12 AM	1160
12	Jul 23, 2012 11:41:12 AM	1155
13	Jul 23, 2012 11:42:11 AM	1150
14	Jul 23, 2012 11:43:12 AM	1145
15	Jul 23, 2012 11:44:12 AM	1145
16	Jul 23, 2012 11:45:11 AM	1140
17	Jul 23, 2012 11:46:12 AM	1135
18	Jul 23, 2012 11:47:12 AM	1135
19	Jul 23, 2012 11:48:11 AM	1130
20	Jul 23, 2012 11:49:12 AM	1130
21	Jul 23, 2012 11:50:12 AM	1125
22	Jul 23, 2012 11:51:11 AM	1120
23	Jul 23, 2012 11:52:12 AM	1120
24	Jul 23, 2012 11:53:12 AM	1120
25	Jul 23, 2012 11:54:12 AM	1115
26	Jul 23, 2012 11:55:12 AM	1115
27	Jul 23, 2012 11:56:12 AM	1110
28	Jul 23, 2012 11:57:12 AM	1110
29	Jul 23, 2012 11:58:11 AM	1105
30	Jul 23, 2012 11:59:12 AM	1105
31	Jul 23, 2012 12:00:12 PM	1100

End of Report

